

\* SUB-RECORDER  
RECEIVED  
APR 18 1988  
M.R. # ..... \$ .....  
VANCOUVER, B.C.

SUMMARY REPORT  
SURFACE DRILLING  
ARENT 1, ARENT 2, BEAMA  
AND  
ADJACENT CLAIMS  
NORTH AND SOUTH CLAIM GROUPS  
YELLOWJACKET PROPERTY  
ATLIN MINING DIVISION

VOLUME III OF III

FILED

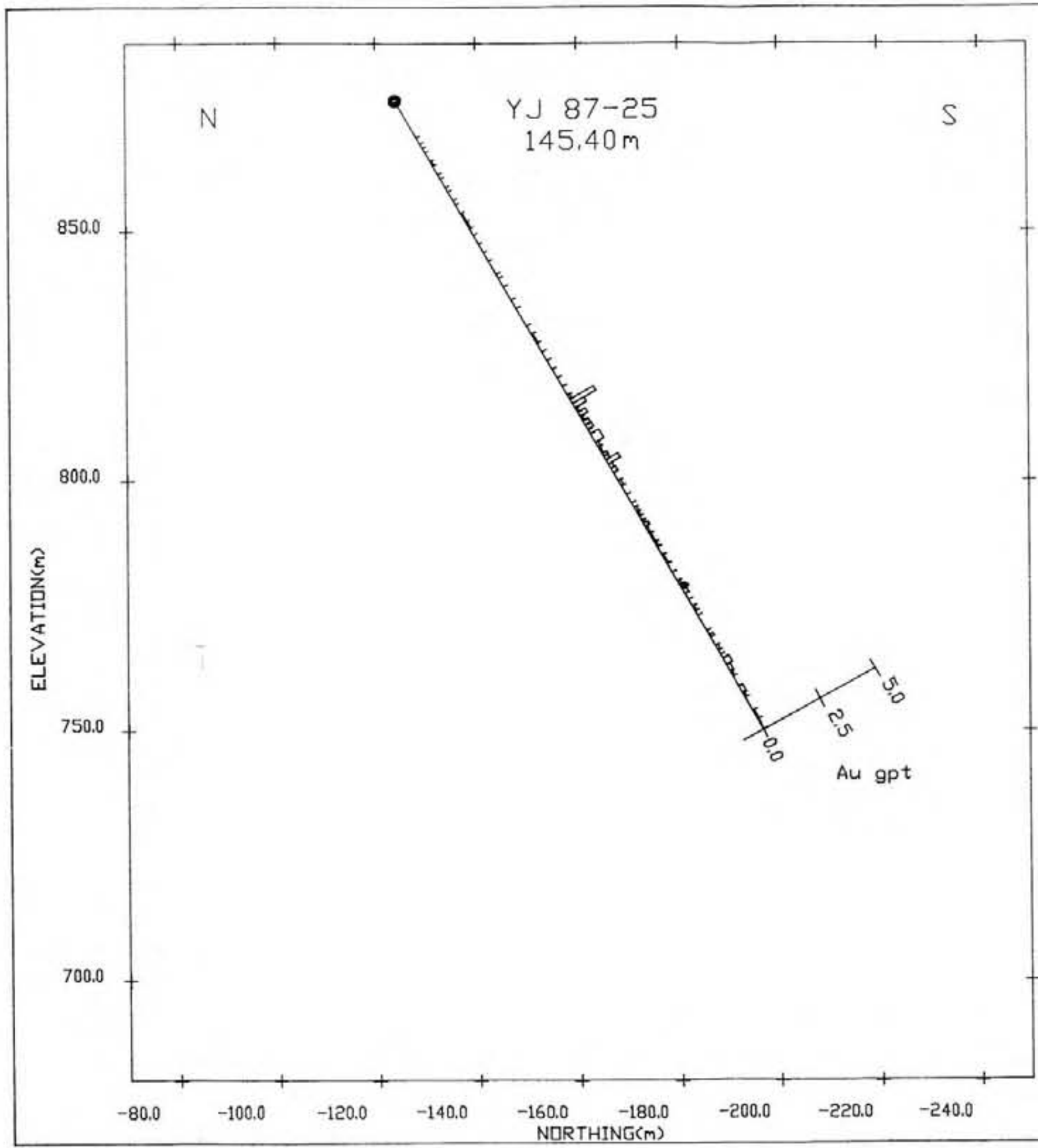
NTS: 104N.12  
LATITUDE: 59 deg. 36 min. north  
LONGITUDE: 133 deg. 33 min. west  
OWNER: HOMESTAKE MINERAL DEVELOPMENT COMPANY  
OPERATOR: HOMESTAKE MINERAL DEVELOPMENT COMPANY  
BY: DARCY E. MARUD  
DATE: JANUARY 1988

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

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NORTH GROUP

<u>Claim</u> <u>Name</u>	<u>Record</u> <u>No.</u>	<u>Lot</u> <u>No.</u>	<u>Units</u>
Arent 1	2090		3
Tip	2483		10
Top I	2480		3
Top II	2481		4
Wind I	2472		2
Wind II	2473		2
Jack 9 Fr	2734		1
Tonic	2469		2
Gin	2468		3
YJ 9	2680		1
YJ 16	2684		1
YJ 17 Fr	2685		1
YJ 7	2678		20
YJ 8	2679		20
Namaimo	909	193	1
Lucky Liverpool	910	194	1
Paris Exhibition	911	195	1
Unknown	912	196	1
Nimrod	913	197	1
Imperial	914	198	1
Sultan Fr	915	199	1
Transit Fr	916	200	1
Princess Pat	917	4366	1
Pilot	918	4367	1
R.A.F.	919	4368	1
Observer	920	4369	1
Jack 7	2724		6
Leo 1 Fr	2329		1
Leo 2 Fr	2330		1
Jack 10 Fr	2735		1
Jack 11 Fr	2736		<u>1</u>
		TOTAL	<u>95</u>



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MINERAL DEVELOPMENT CO.

YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 13+20E  
DDH YJ 87- 25

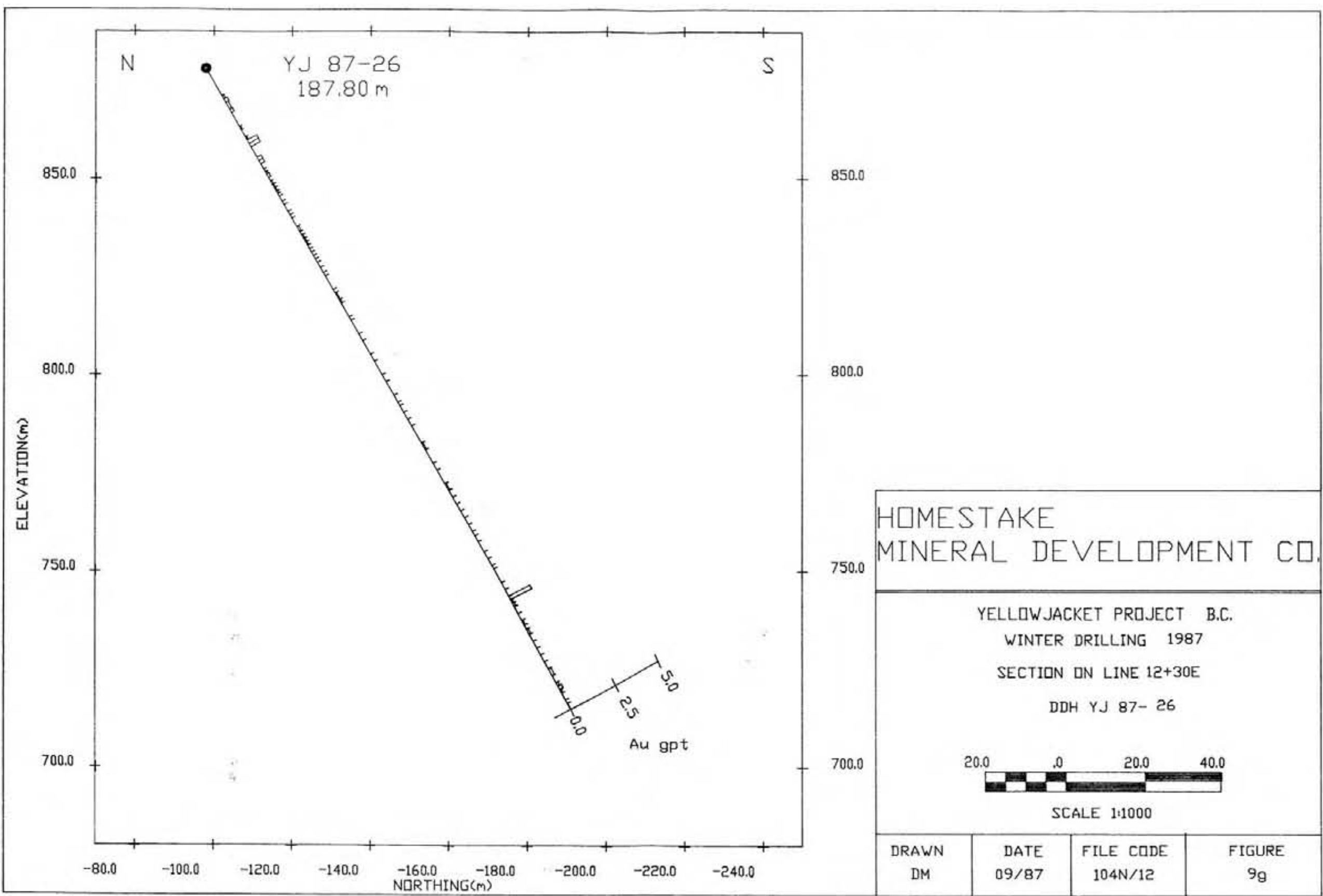


SCALE 1:1000

DRAWN DM	DATE 09/87	FILE CODE 104N/12	FIGURE 9f
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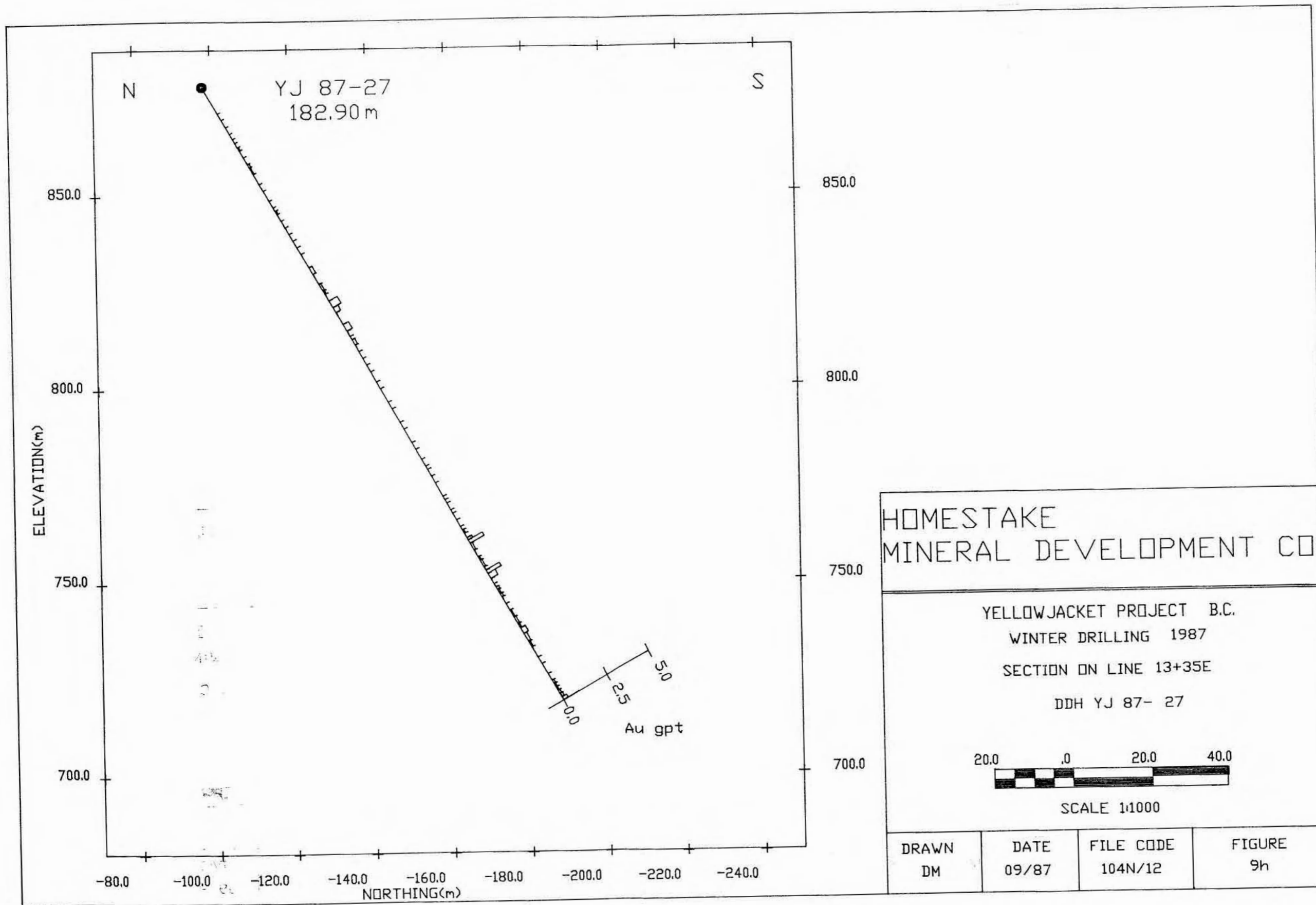
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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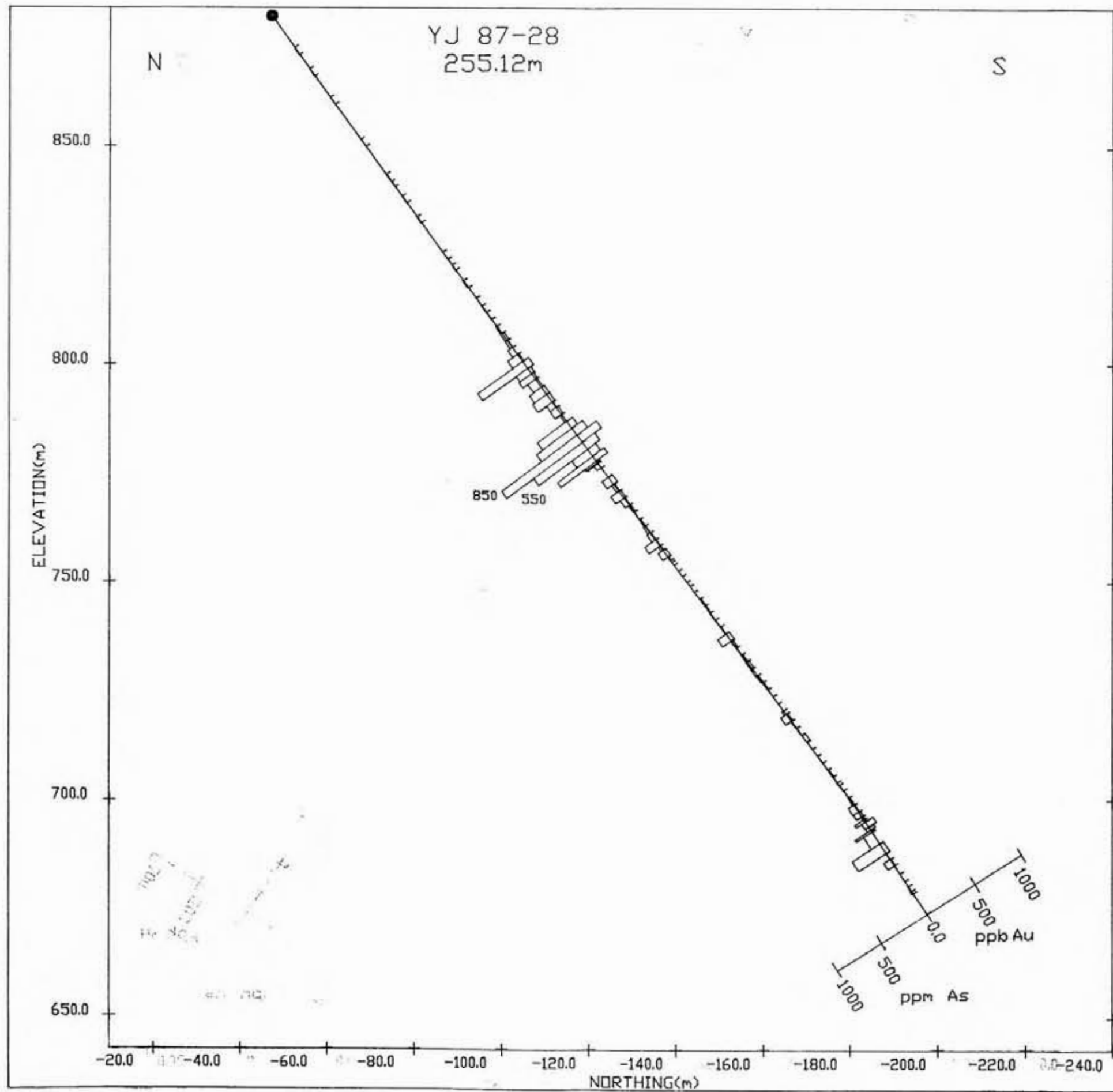
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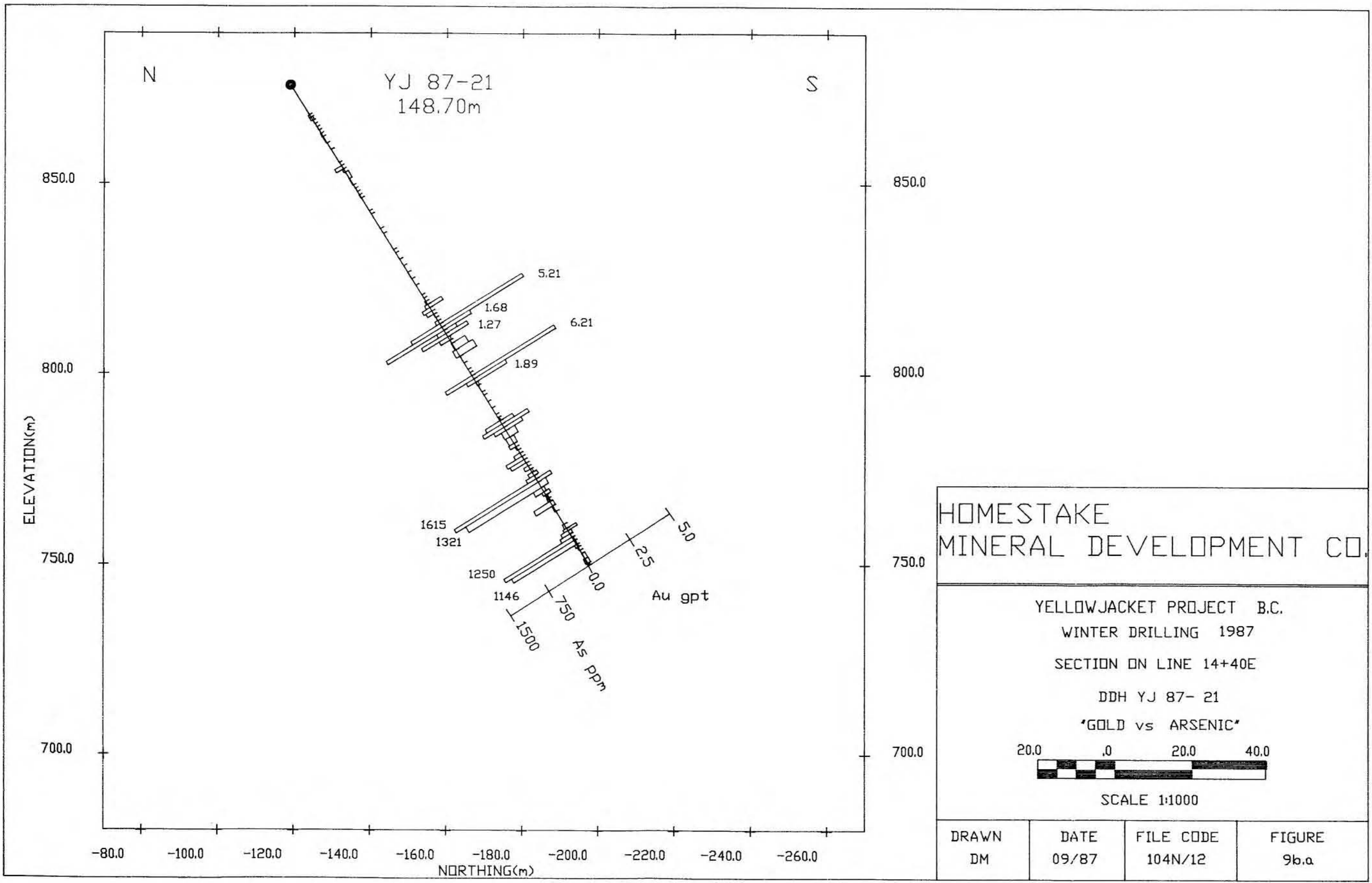
HOMESTAKE  
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YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 14+50E  
DDH YJ 87- 28  
'GOLD vs ARSENIC'



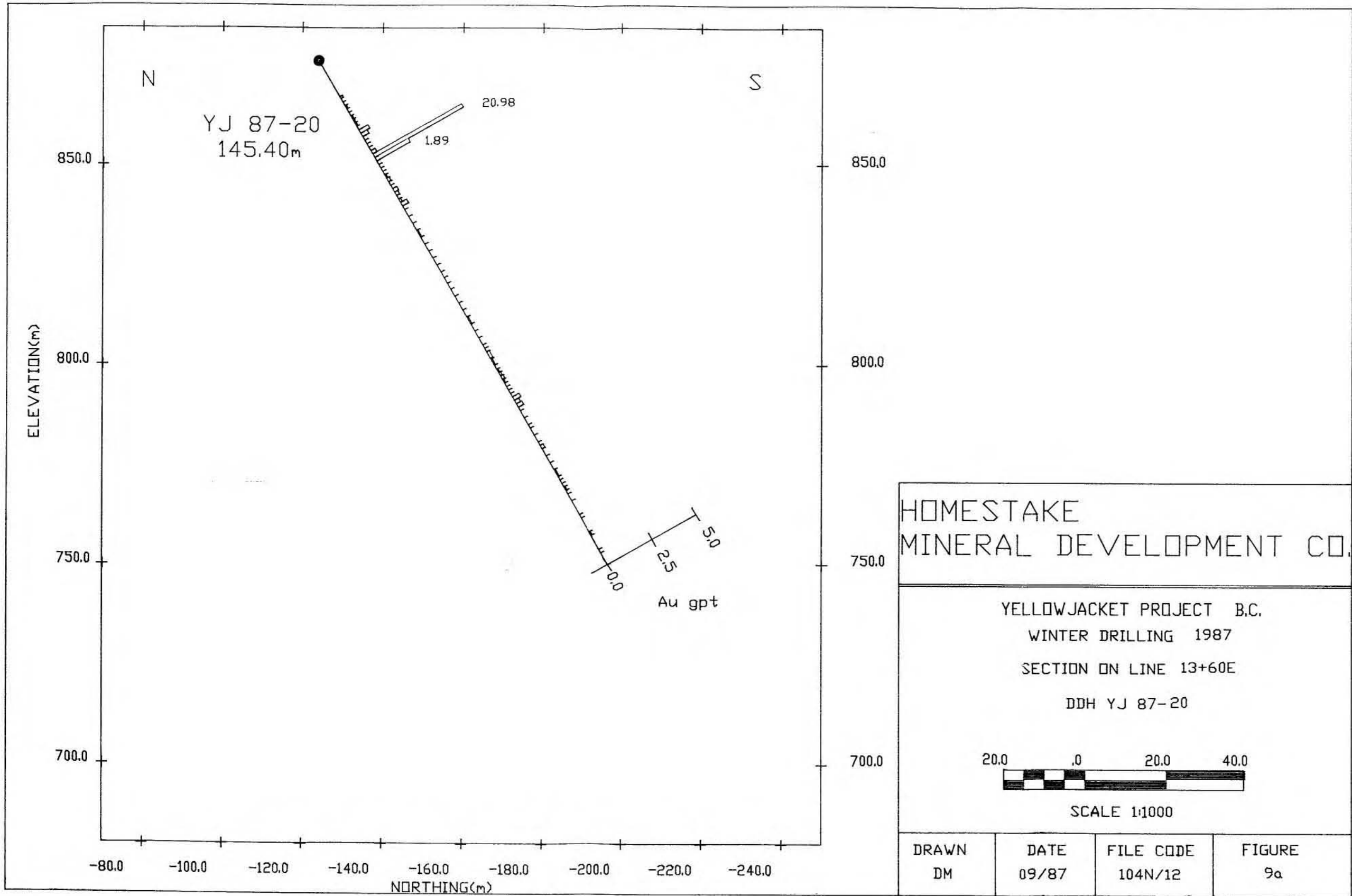
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DRAWN DM	DATE 09/87	FILE CODE 104N/12	FIGURE 91a
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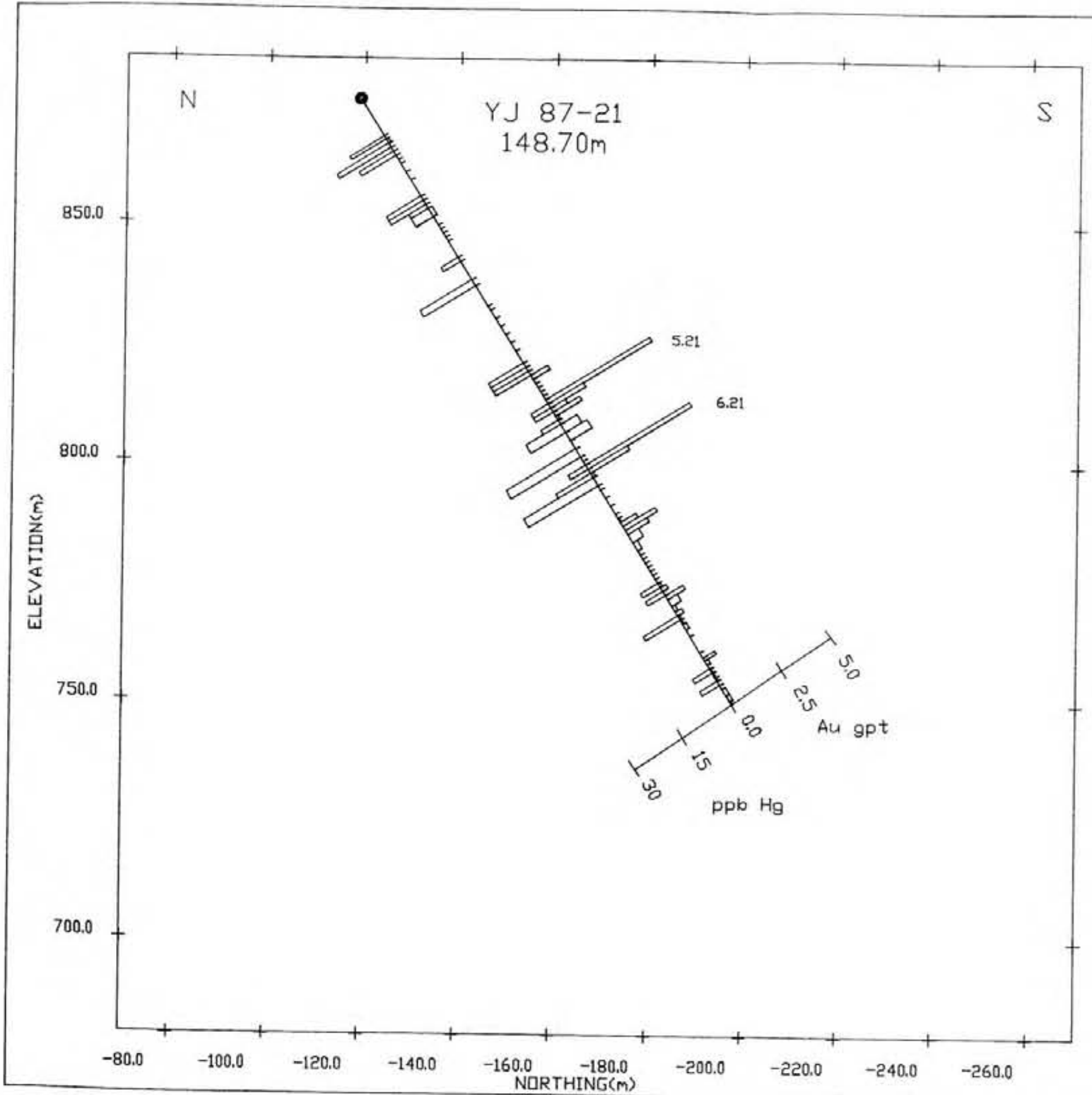
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YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 14+40E  
DDH YJ 87- 21  
'GOLD vs MERCURY'

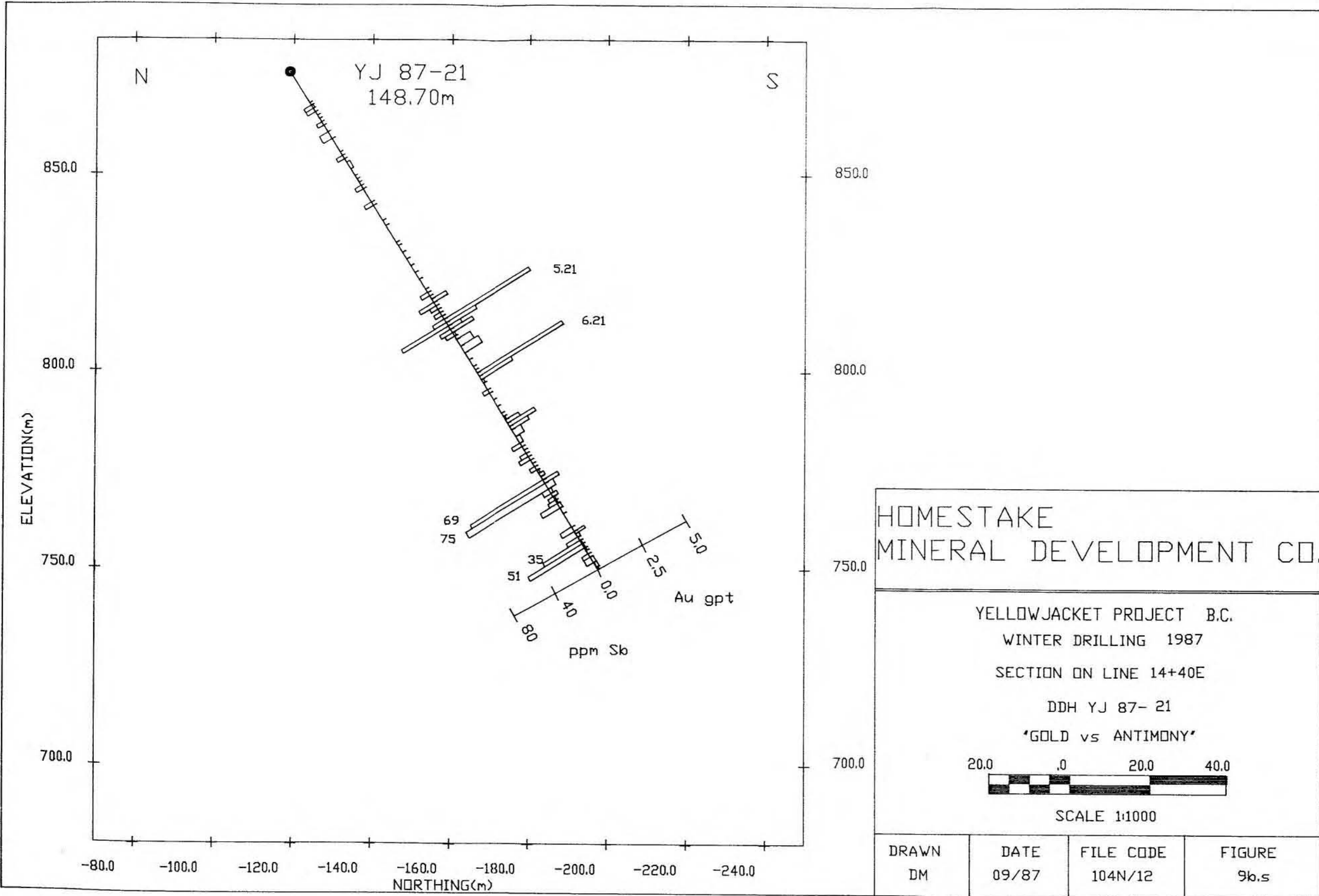


SCALE 1:1000

DRAWN DM	DATE 09/87	FILE CODE 104N/12	FIGURE 9b.h
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GEOLOGICAL BRANCH  
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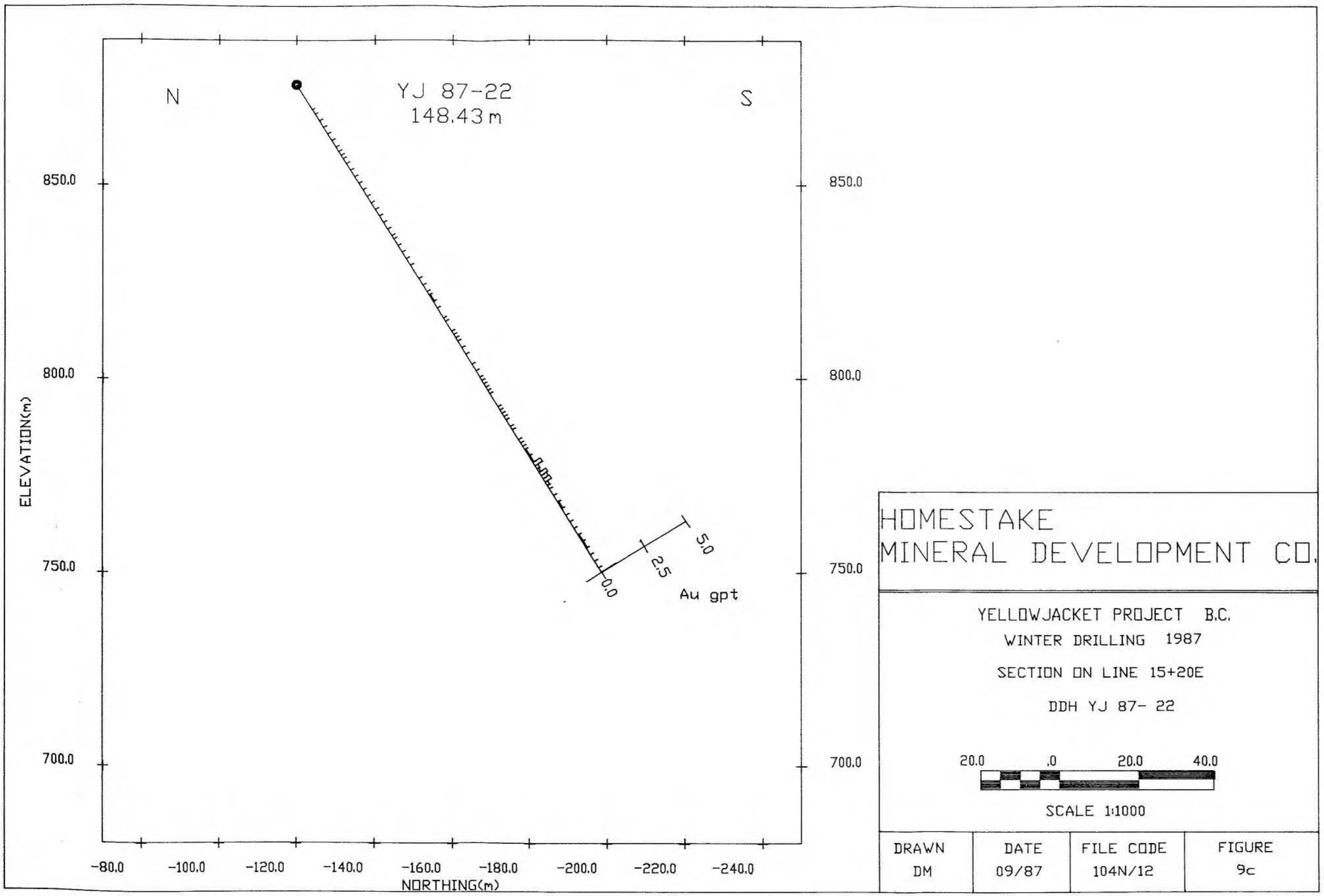
HOMESTAKE  
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YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 14+40E  
DDH YJ 87- 21  
'GOLD vs ANTIMONY'  
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DRAWN	DATE	FILE CODE	FIGURE
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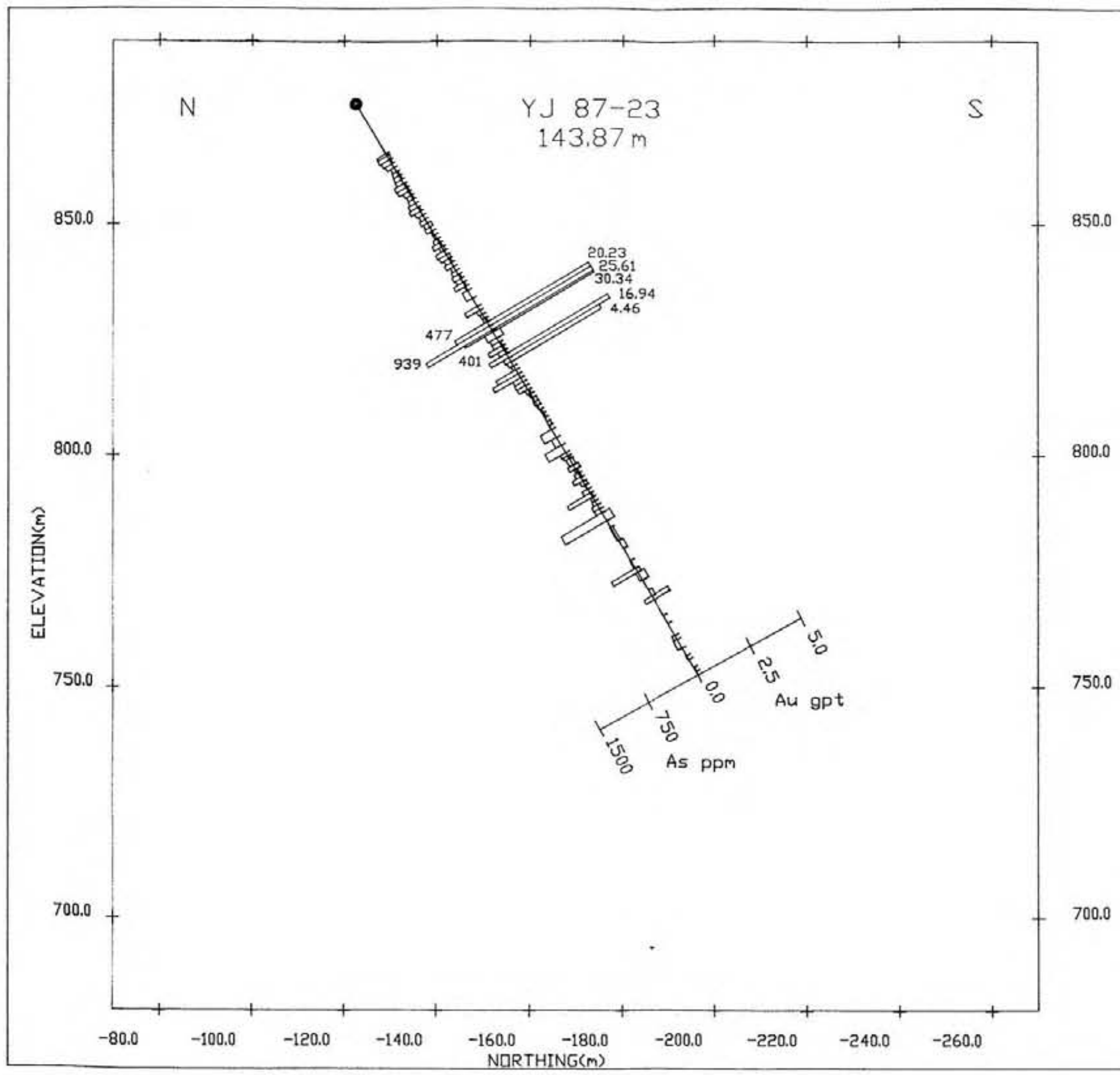
MINERAL  
GEOLOGICAL BRANCH  
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YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 12+80E  
DDH YJ 87-23  
'GOLD vs ARSENIC'

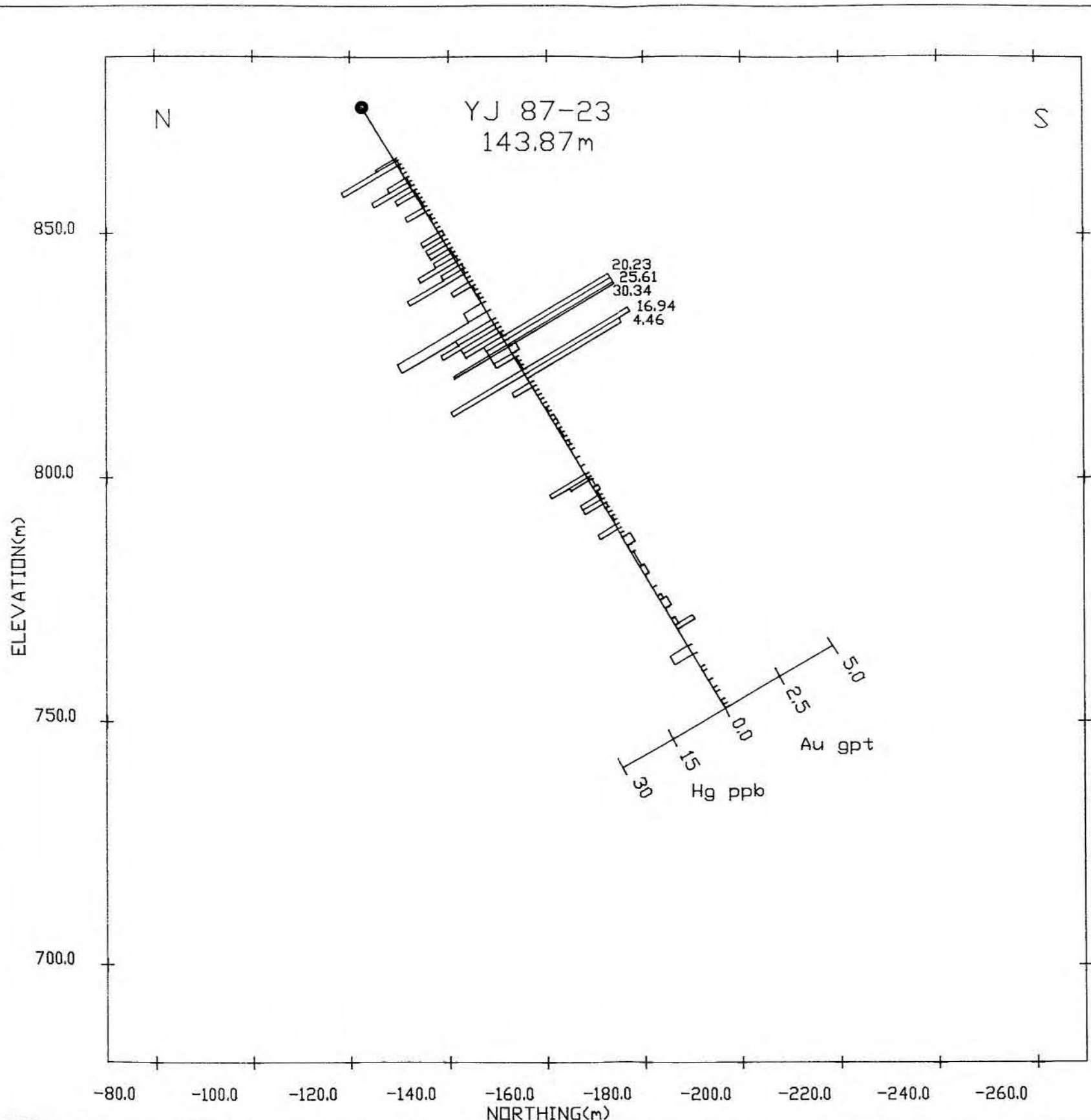
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SCALE 1:1000

DRAWN	DATE	FILE CODE	FIGURE
DM	09/87	104N/12	9d.a

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ASSESSMENT REPORT

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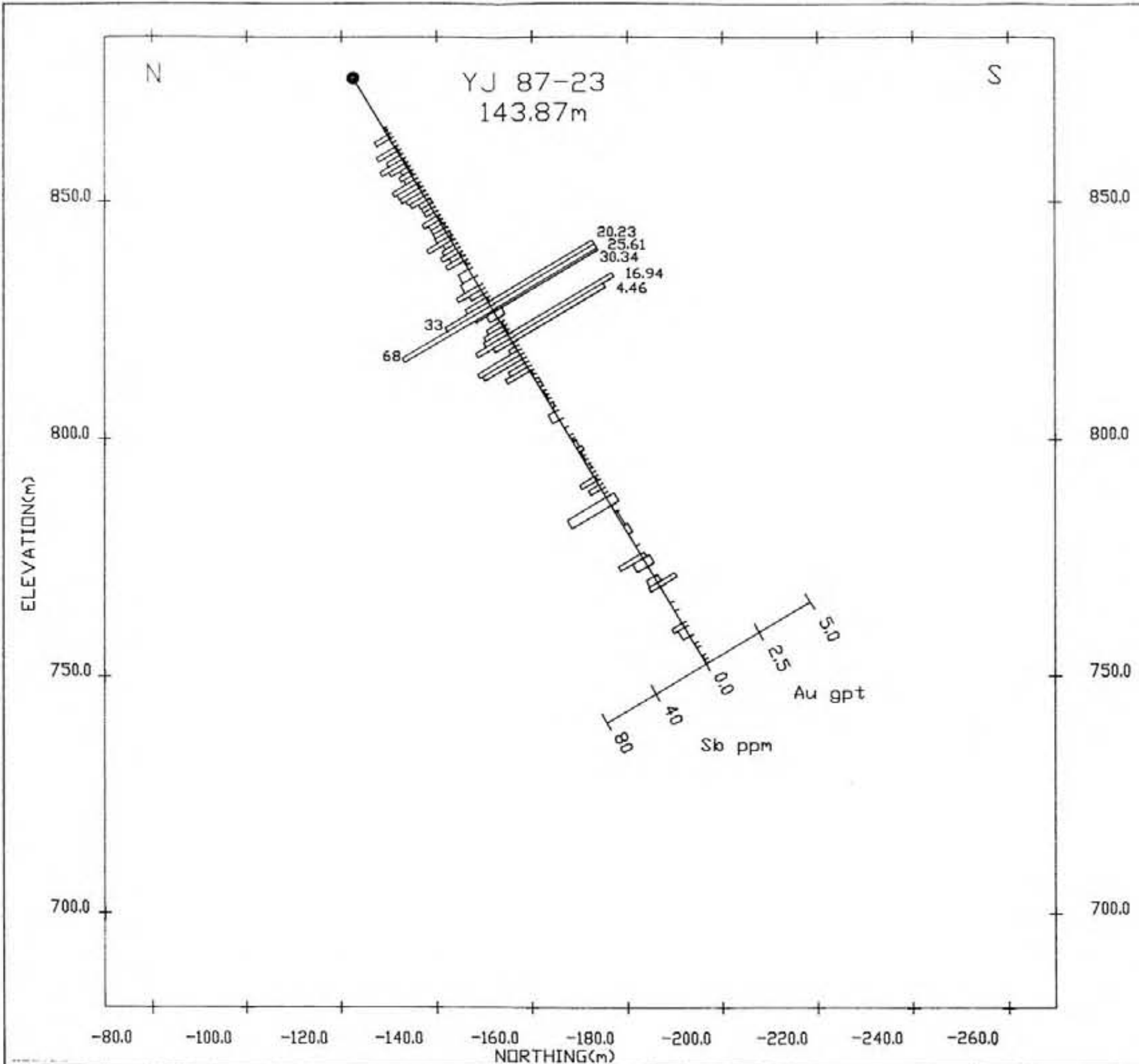
YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 12+80E  
DDH YJ 87- 23  
"GOLD vs MERCURY"  
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SCALE 1:1000

DRAWN	DATE	FILE CODE	FIGURE
DM	09/87	104N/12	9d.h

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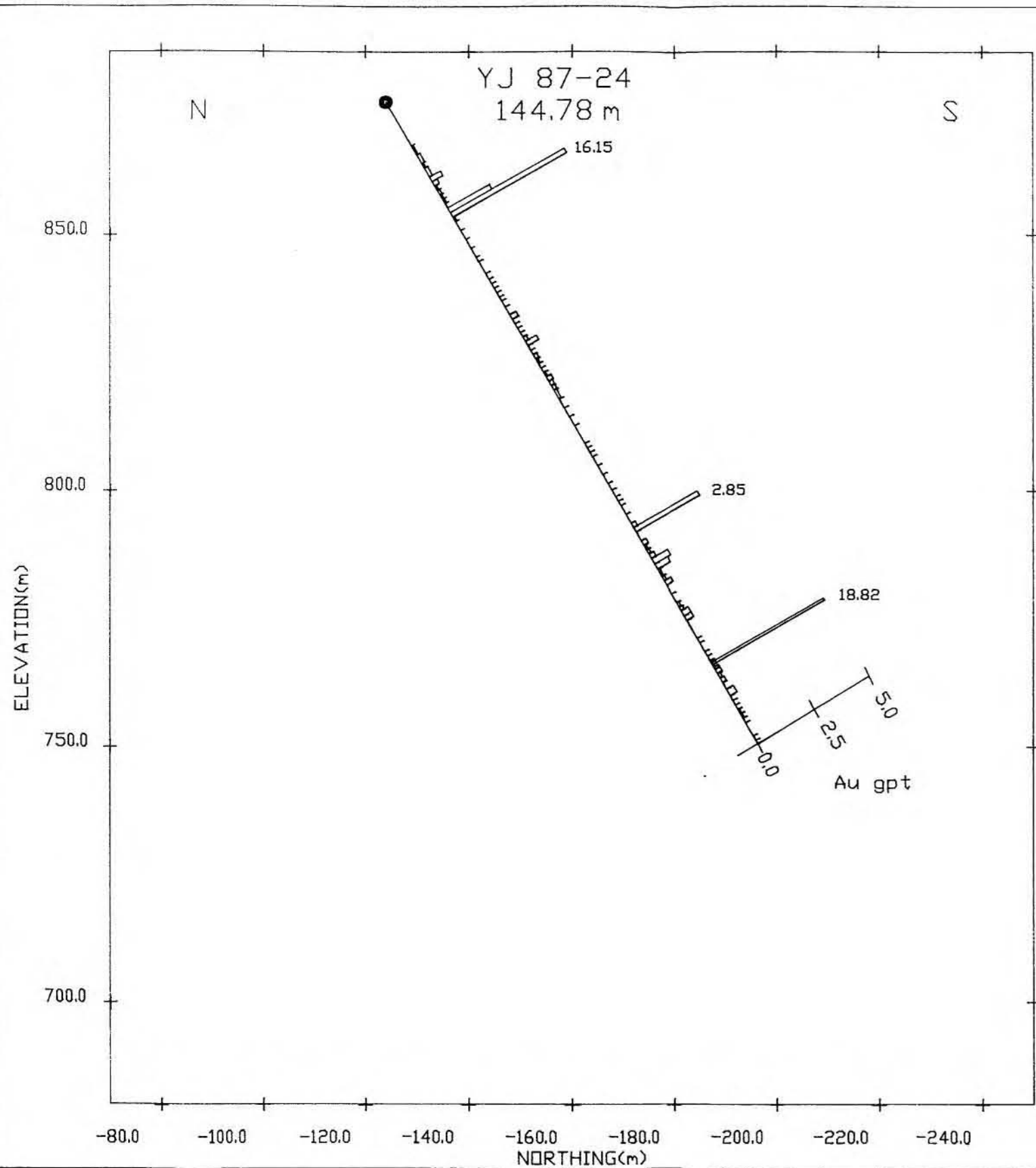
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HOMESTAKE MINERAL DEVELOPMENT CO.			
YELLOWJACKET PROJECT B.C. WINTER DRILLING 1987 SECTION ON LINE 12+80E DDH YJ 87- 23 'GOLD vs ANTIMONY'			
SCALE 1:1000			
DRAWN DM	DATE 09/87	FILE CODE 104N/12	FIGURE 9d.s

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YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 14+00E  
DDH YJ 87-24

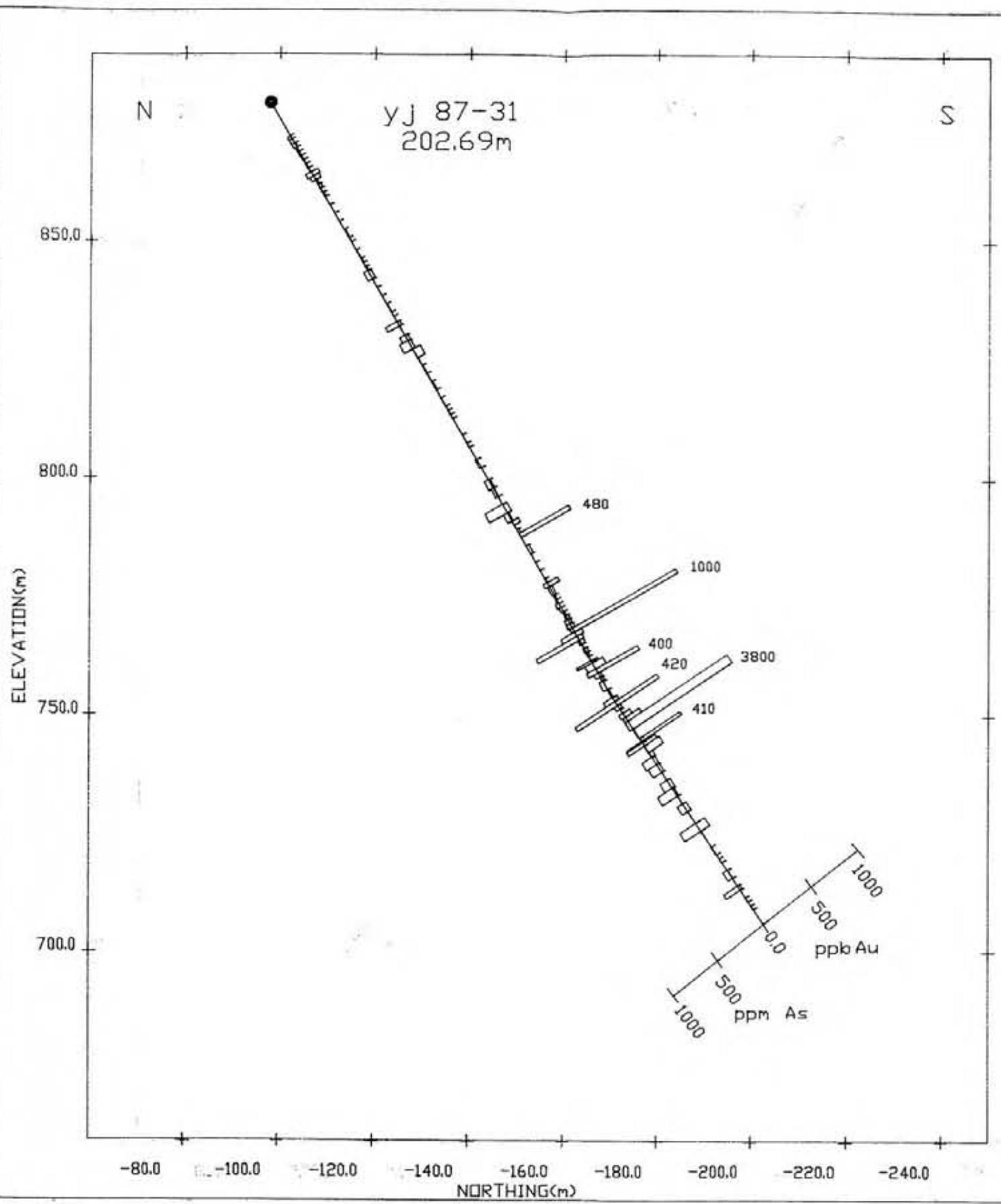
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SCALE 1:1000

DRAWN	DATE	FILE CODE	FIGURE
DM	09/87	104N/12	9e

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YELLOWJACKET PROJECT B.C.  
 WINTER DRILLING 1987  
 SECTION ON LINE 13+00E  
 DDH YJ 87-31  
 \*GOLD vs ARSENIC\*

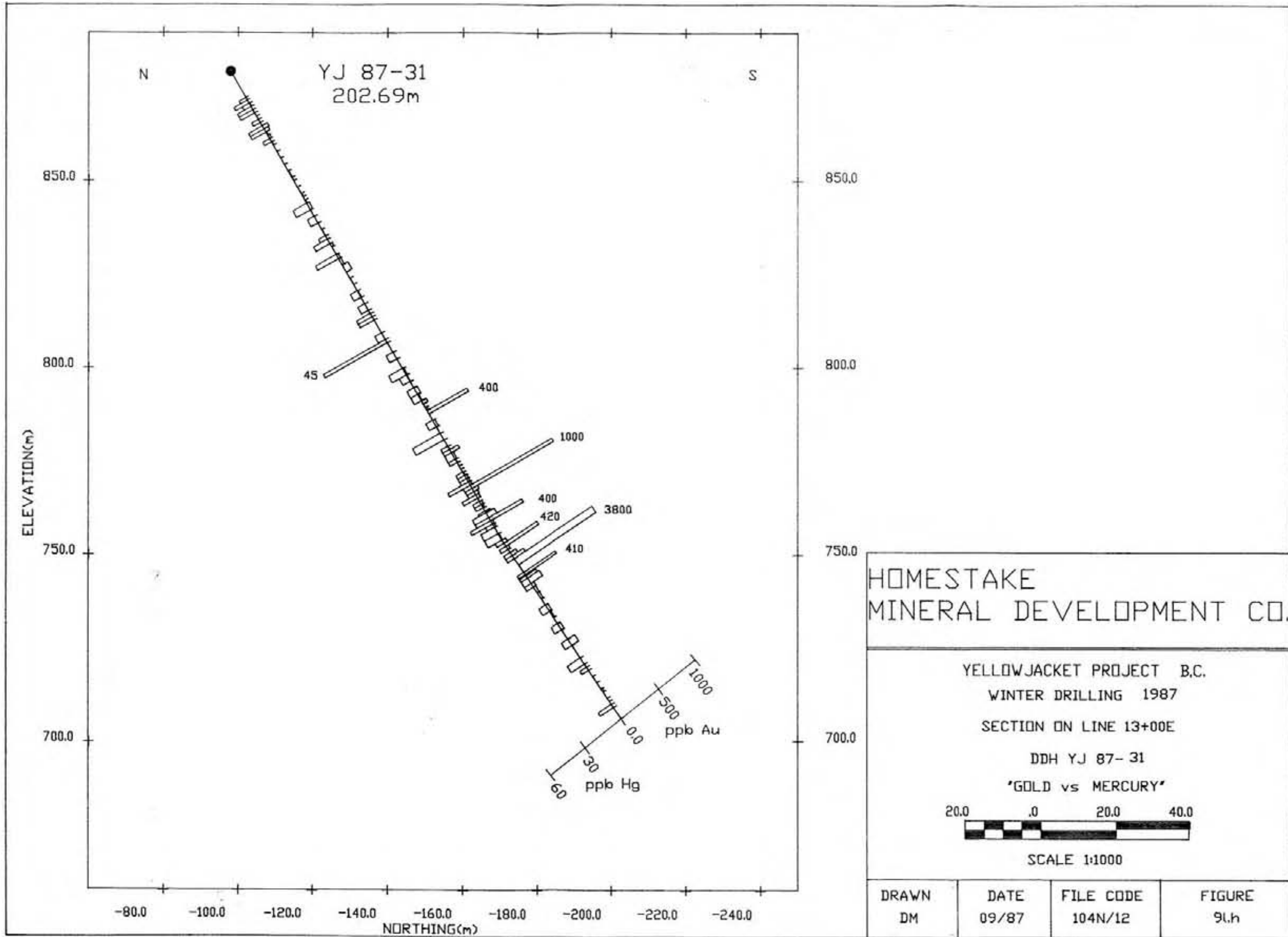
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DRAWN	DATE	FILE CODE	FIGURE
DM	09/87	104N/12	91a

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

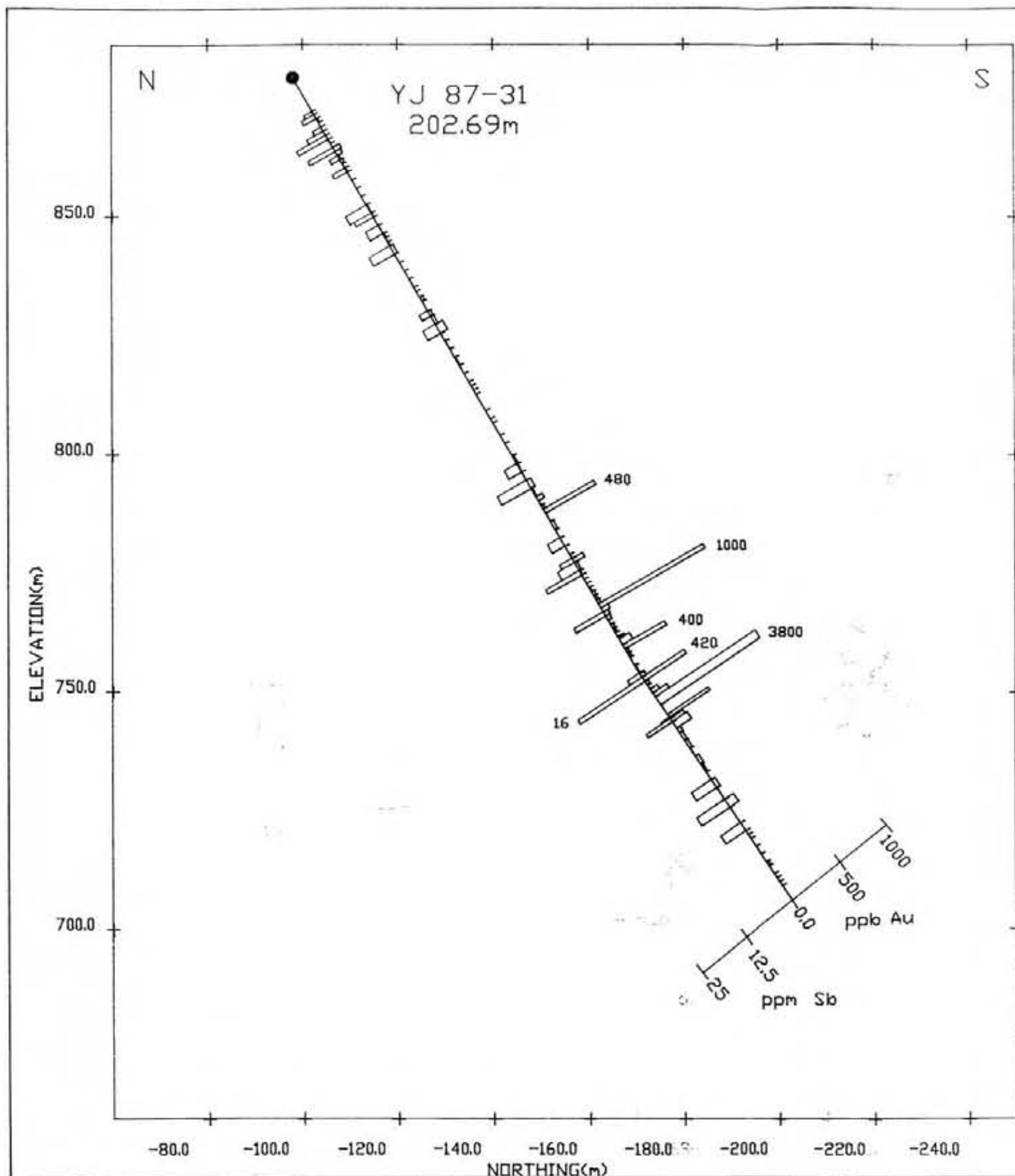
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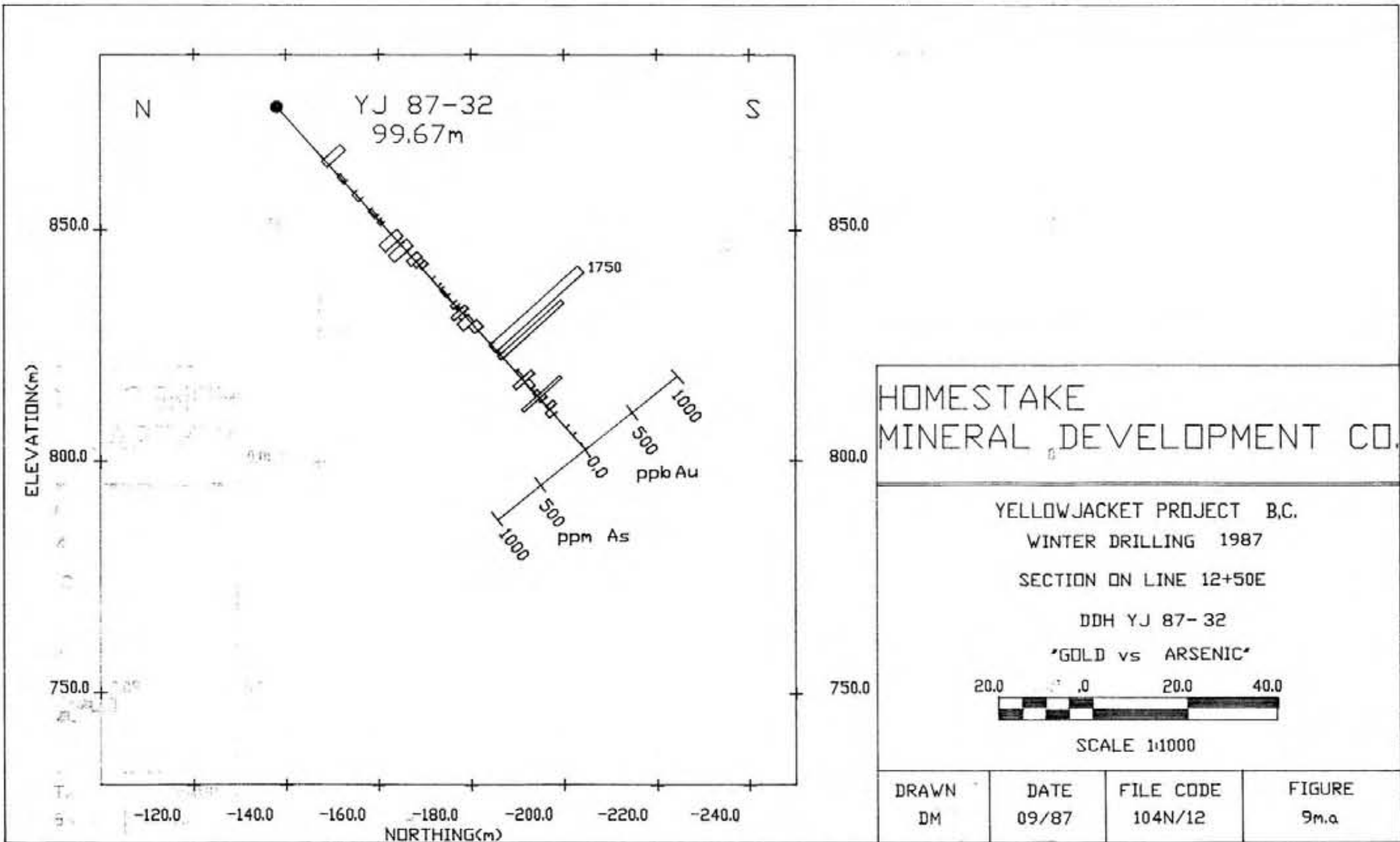
YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 13+00E  
DDH YJ 87- 31  
"GOLD vs ANTIMONY"  
20.0 0 20.0 40.0  
SCALE 1:1000

DRAWN	DATE	FILE CODE	FIGURE
DM	09/87	104N/12	91.s

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

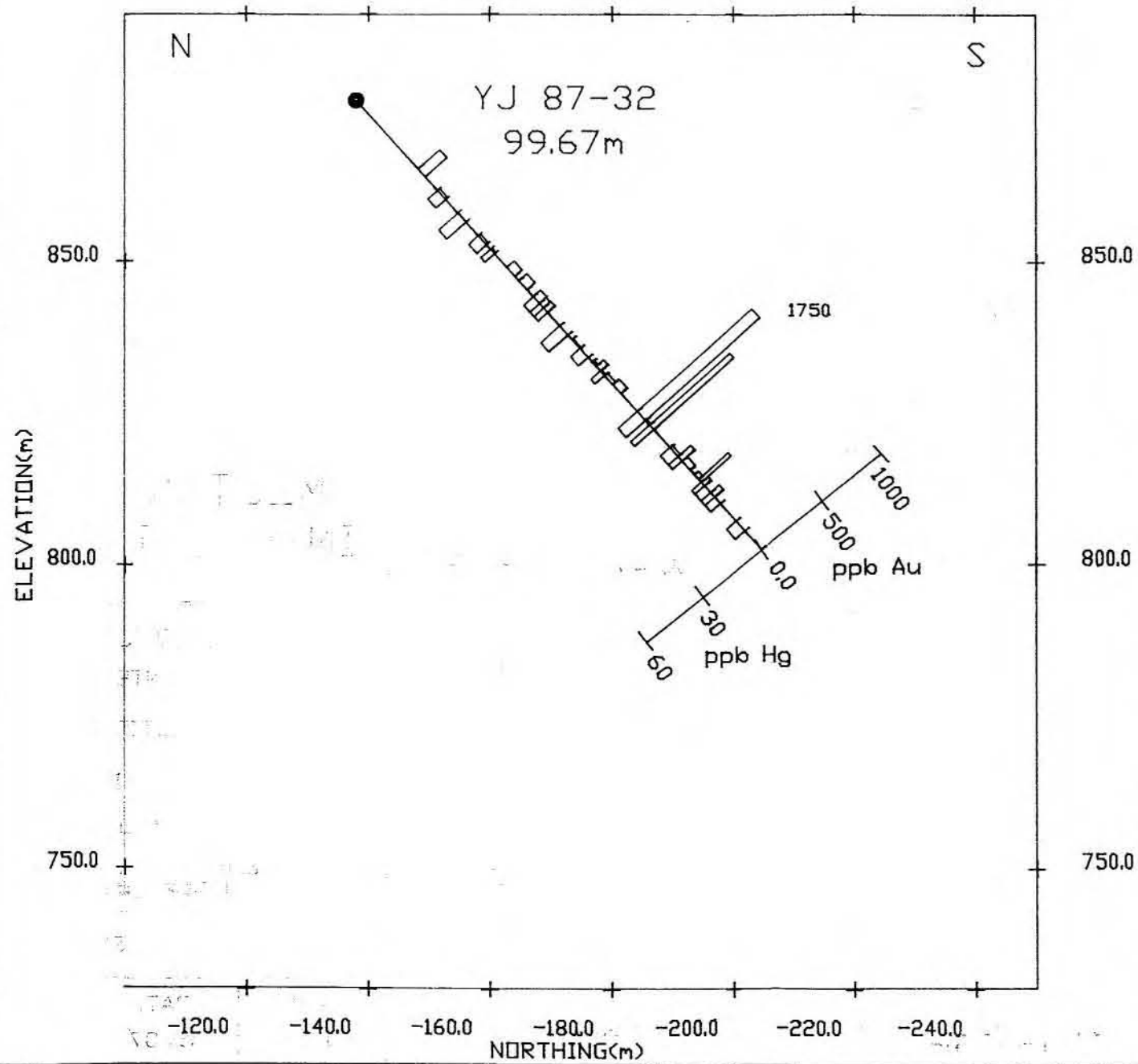
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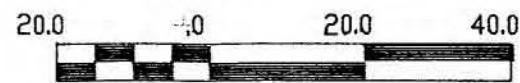
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MINERAL DEVELOPMENT CO.

YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987

SECTION ON LINE 12+50E

DDH YJ 87- 32

"GOLD vs MERCURY"

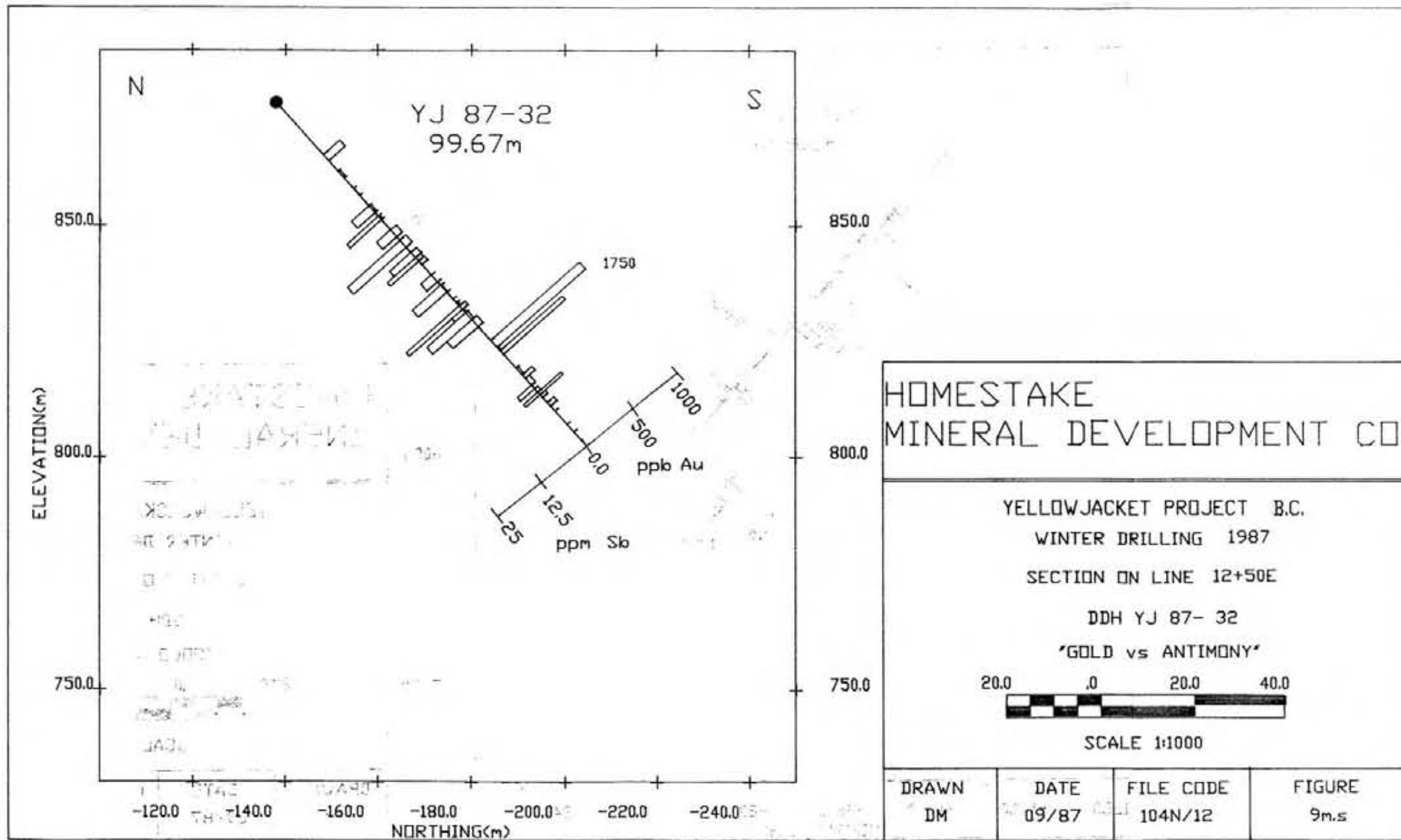


SCALE 1:1000

DRAWN	DATE	FILE CODE	FIGURE
DM	09/87	104N/12	9m.h

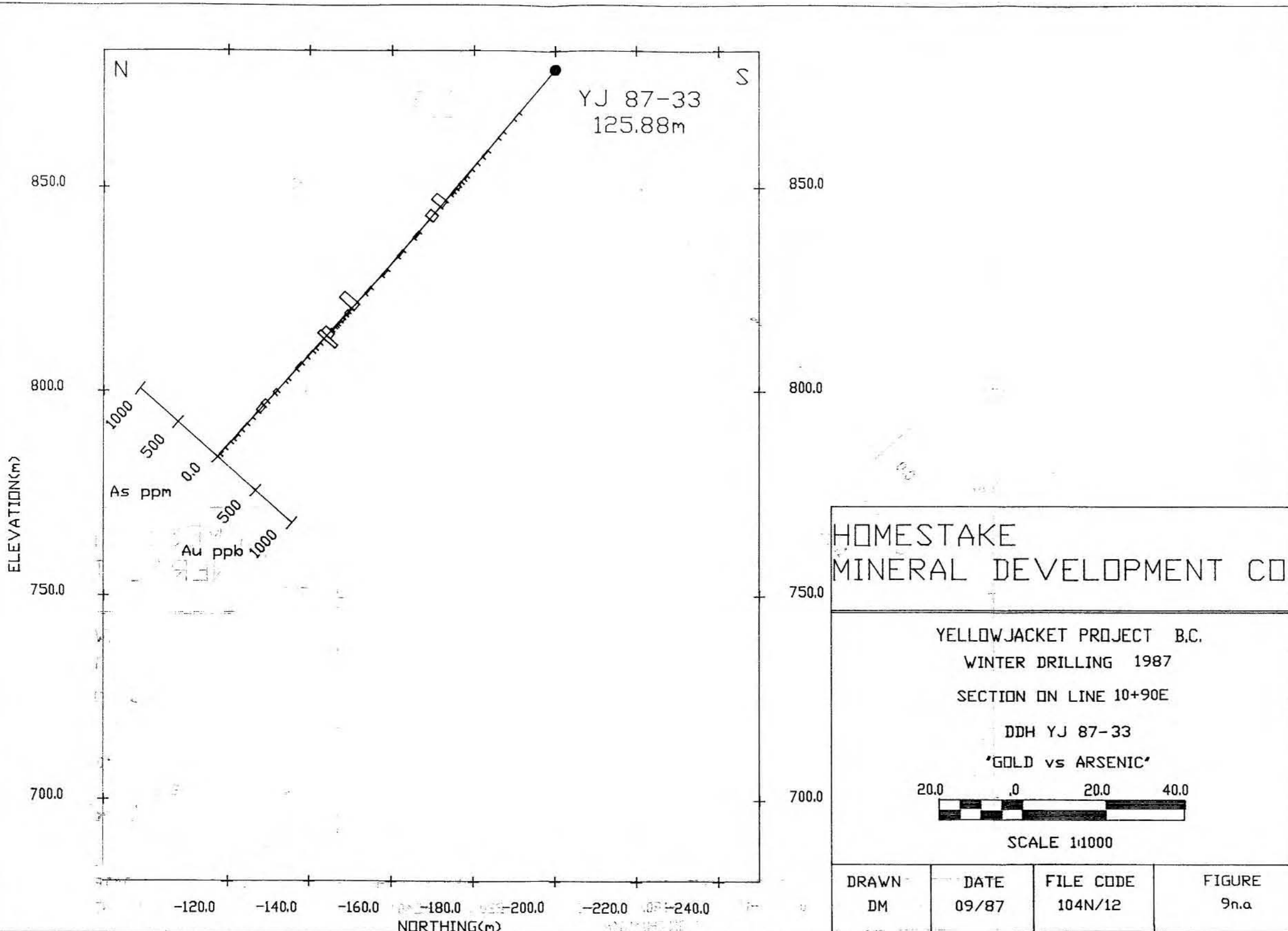
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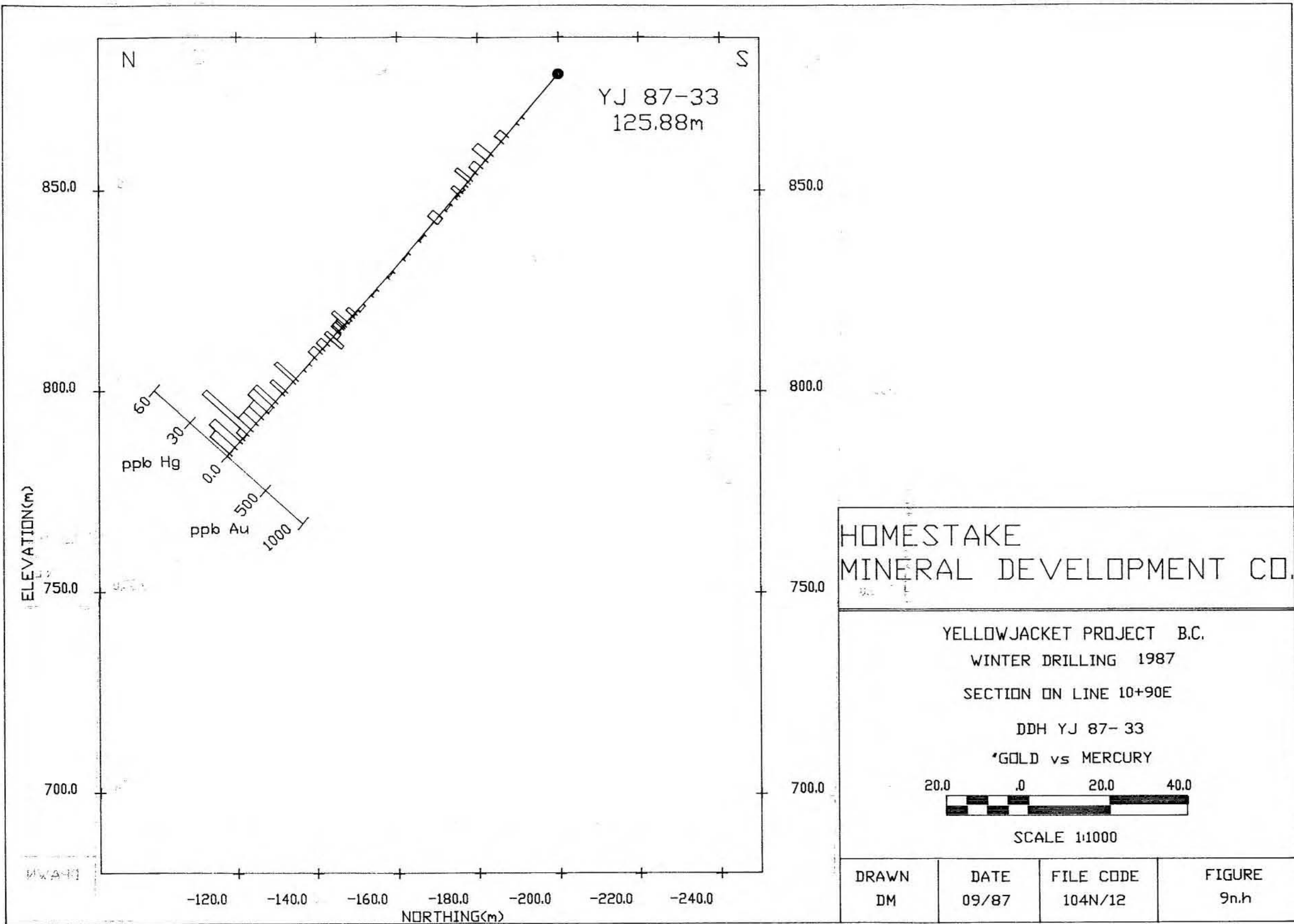
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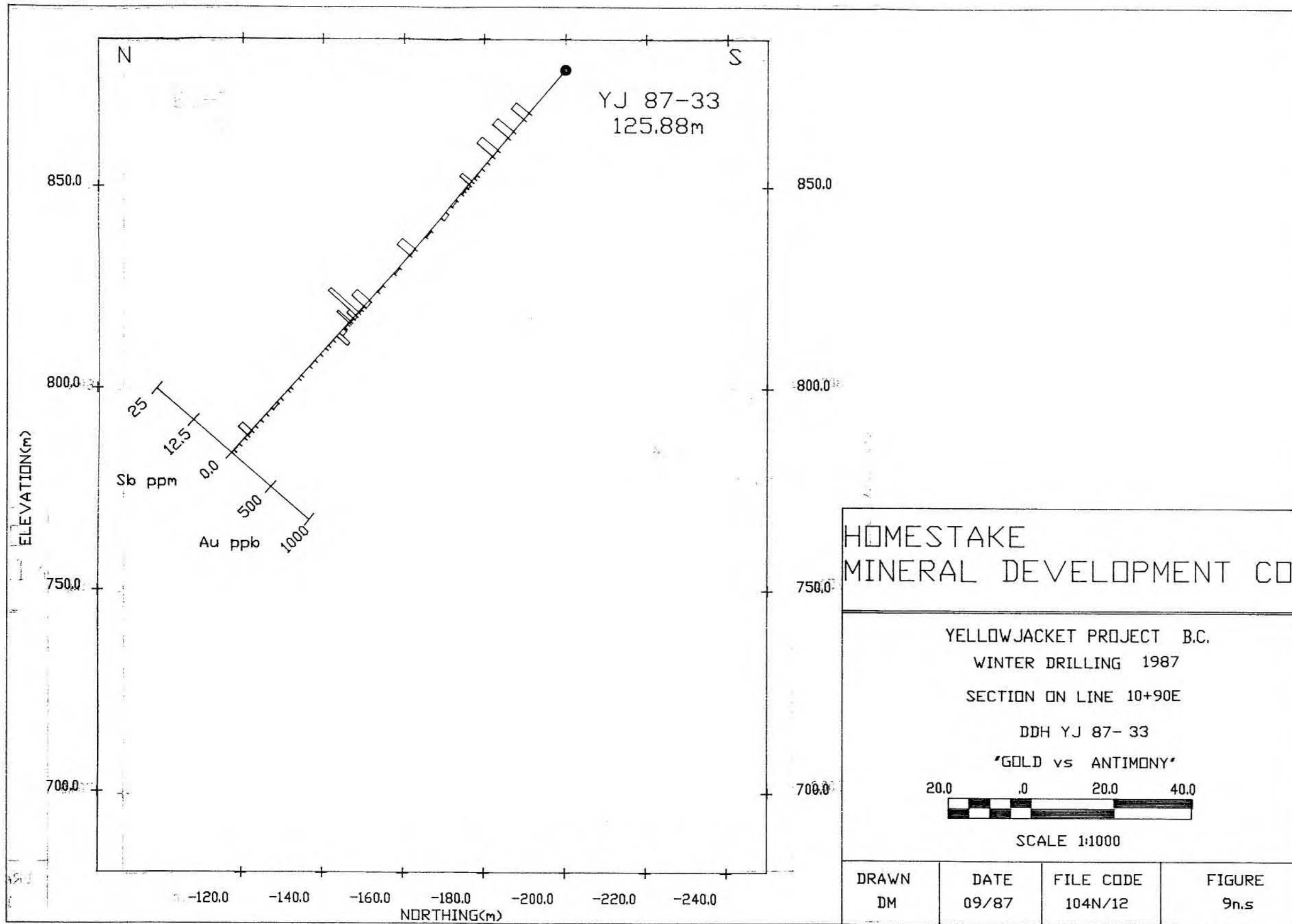
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ASSESSMENT REPORT

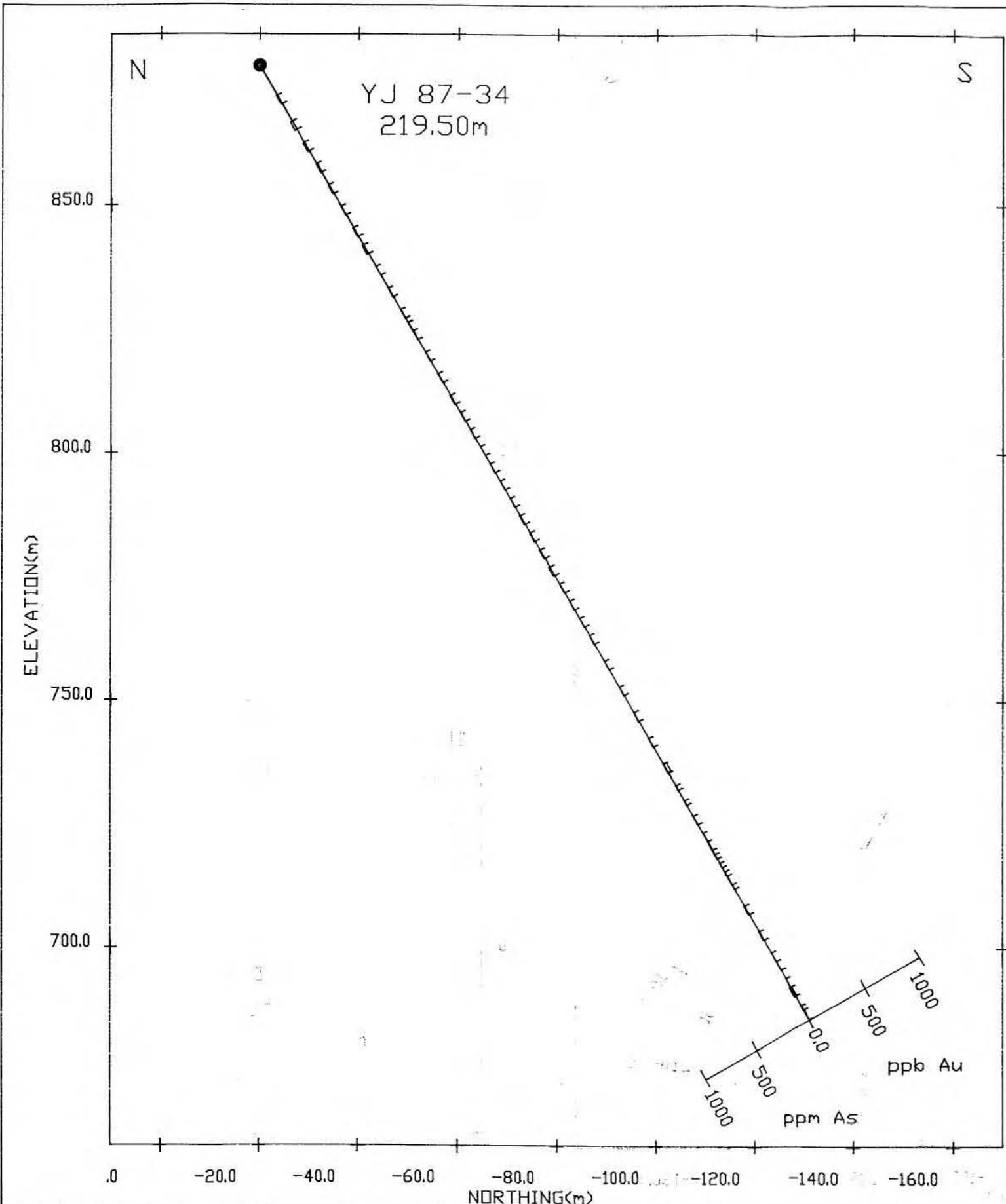
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850.0  
800.0  
750.0  
700.0

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YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 13+40E  
DDH YJ 87- 34  
'GOLD vs ARSENIC'

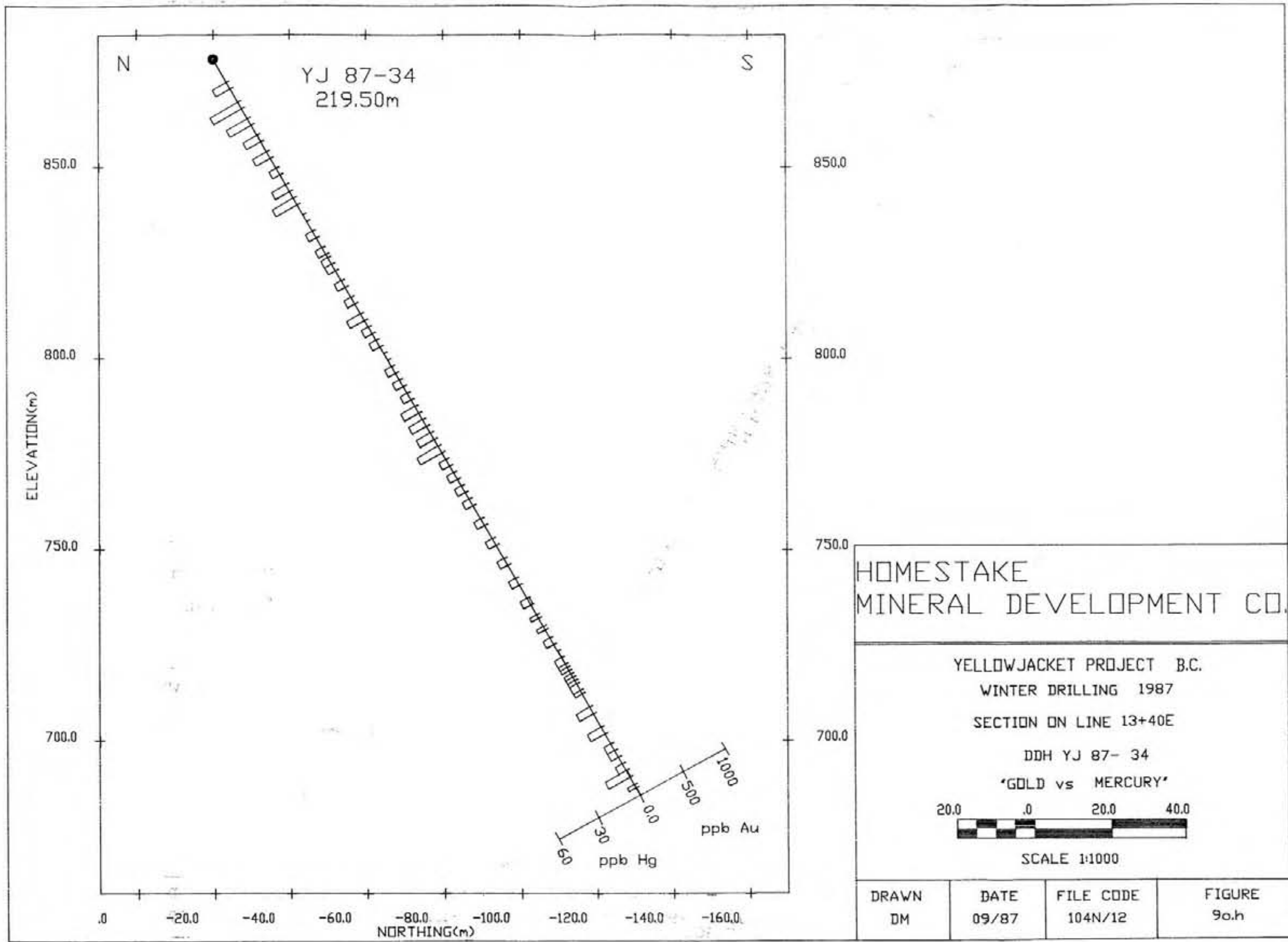


SCALE 1:1000

DRAWN DM	DATE 09/87	FILE CODE 104N/12	FIGURE 9a.a
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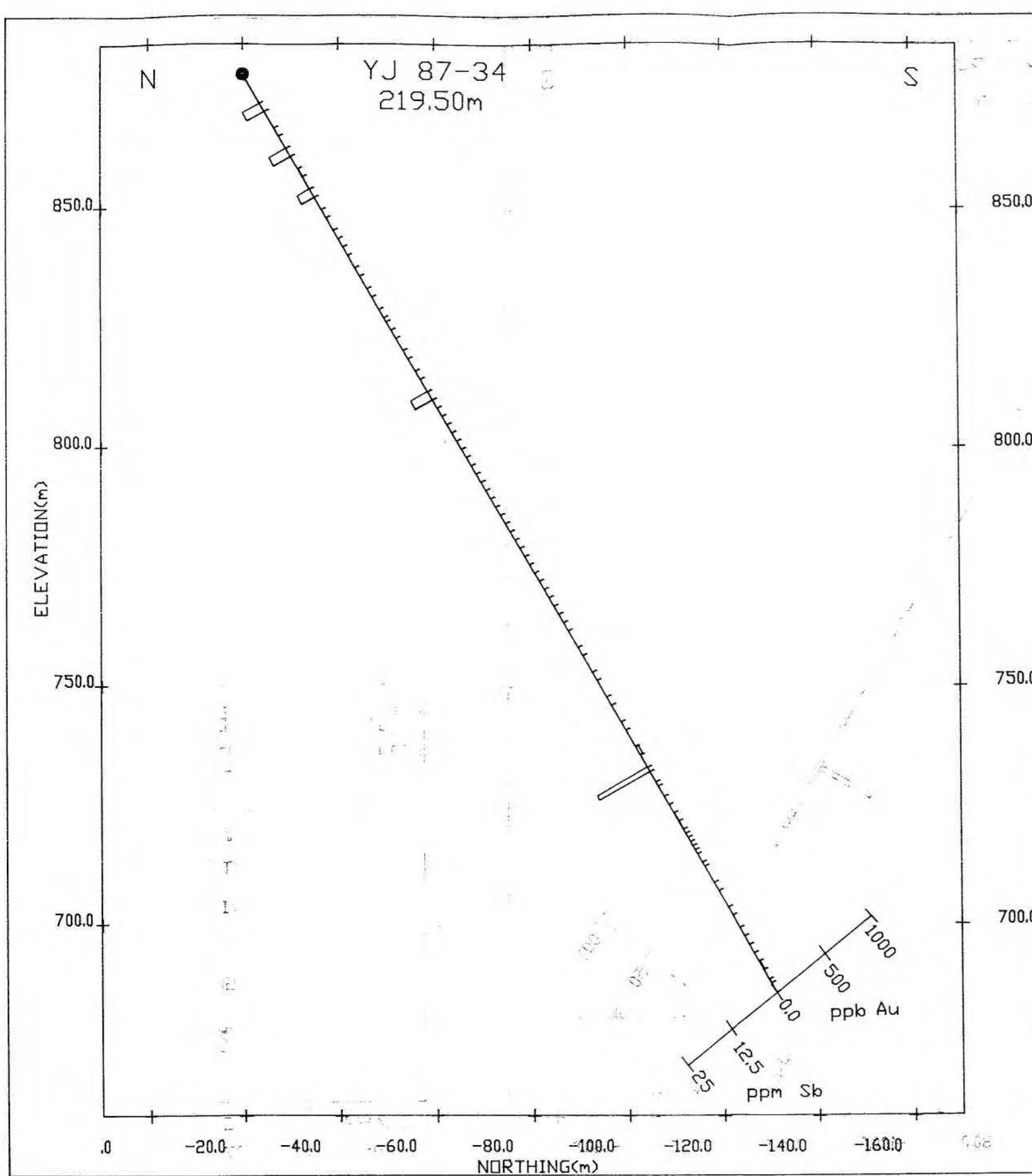
GEOLOGICAL BRANCH  
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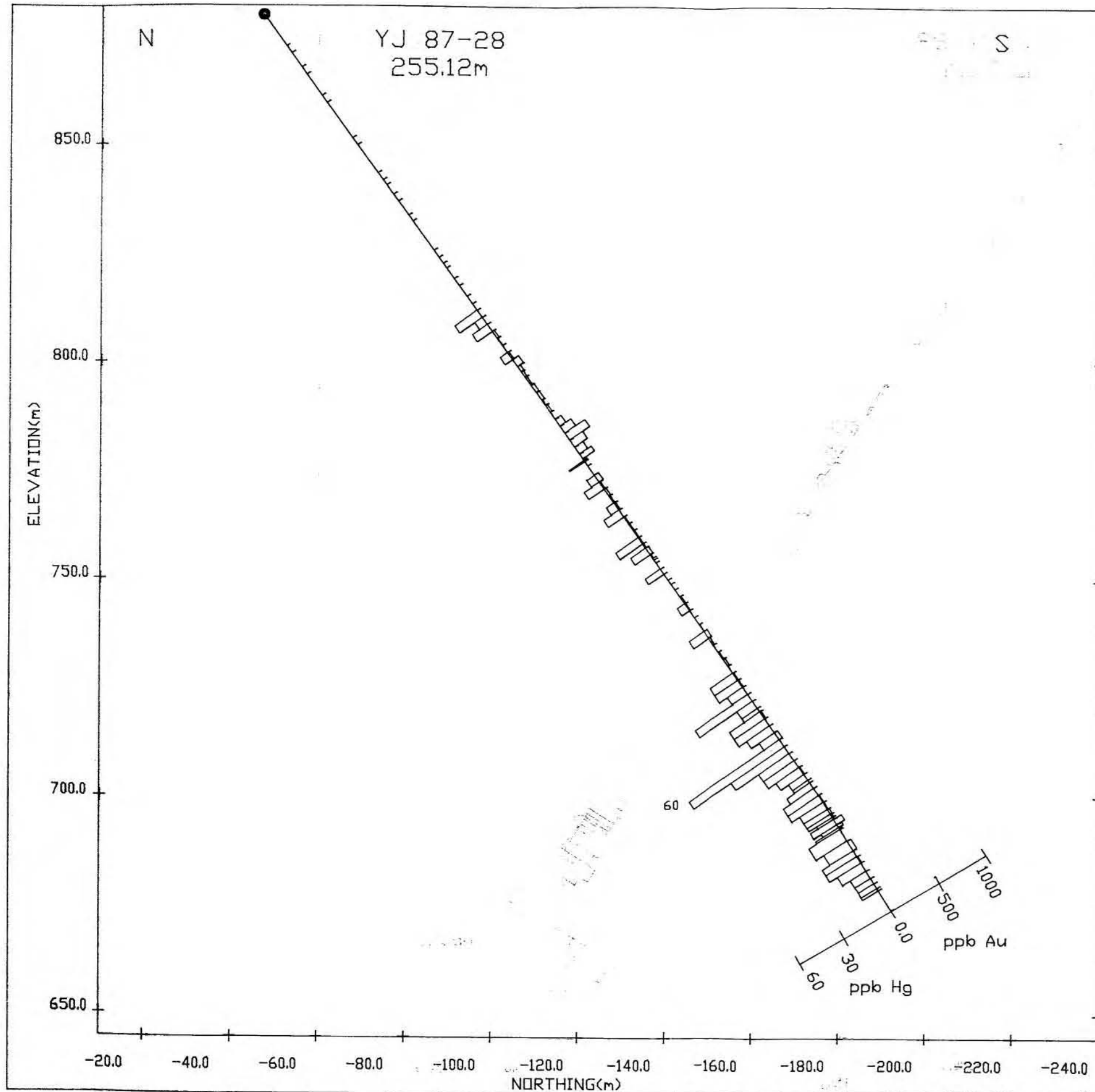
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HOMESTAKE MINERAL DEVELOPMENT CO.			
YELLOWJACKET PROJECT B.C. WINTER DRILLING 1987 SECTION ON LINE 13+40E DDH YJ 87- 34 'GOLD vs ANTIMONY'			
SCALE 1:1000			
DRAWN DM	DATE 09/87	FILE CODE 104N/12	FIGURE 9o.s

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YELLOWJACKET PROJECT B.C.  
WINTER DRILLING  
SECTION ON LINE 14+50E  
DDH YJ 87-28  
'GOLD vs MERCURY'

20.0 0 20.0 40.0

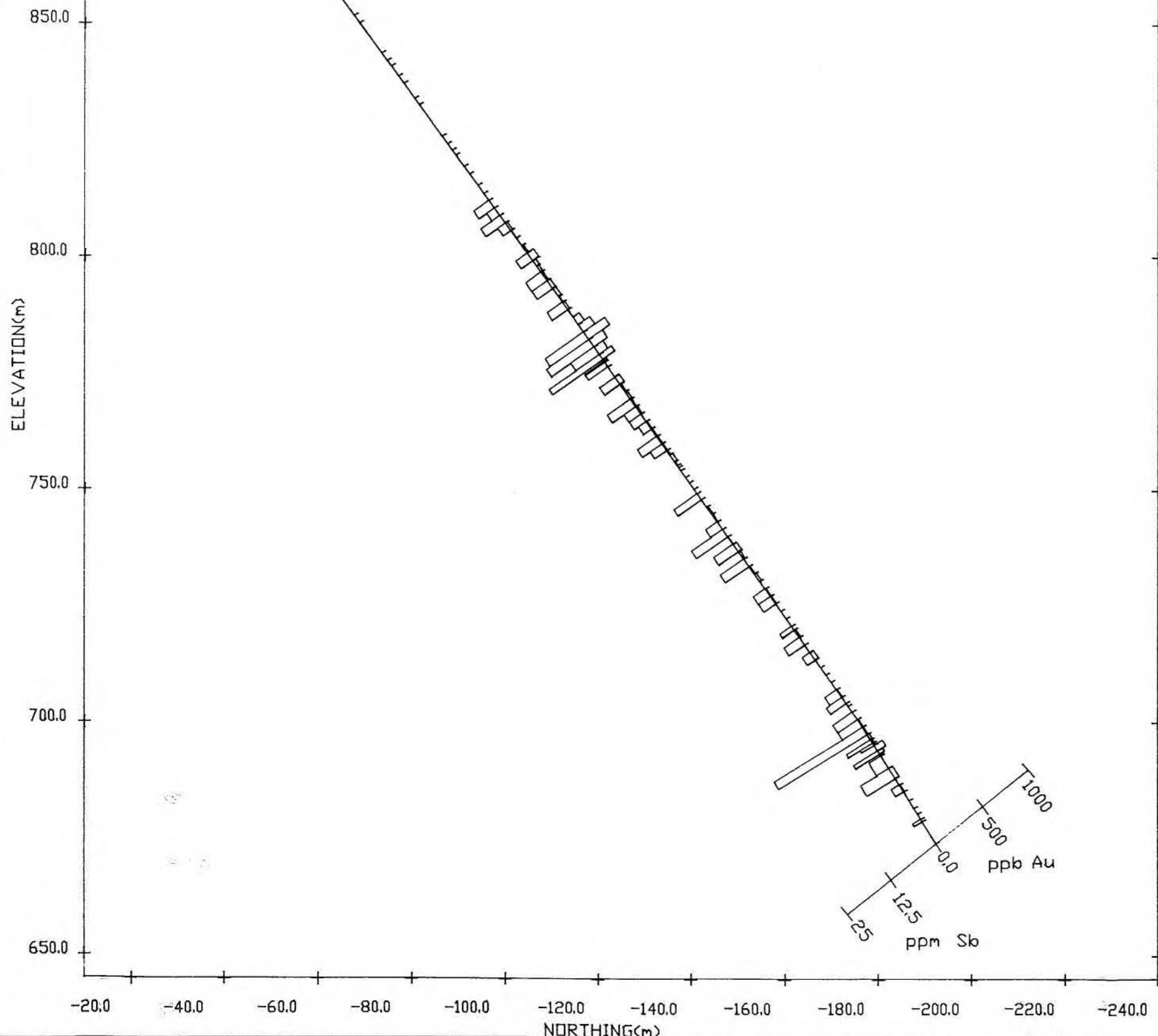
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DRAWN	DATE	FILE CODE	FIGURE
DM	09/87	104N/12	9,h

YJ 87-28  
255.12m

N

S



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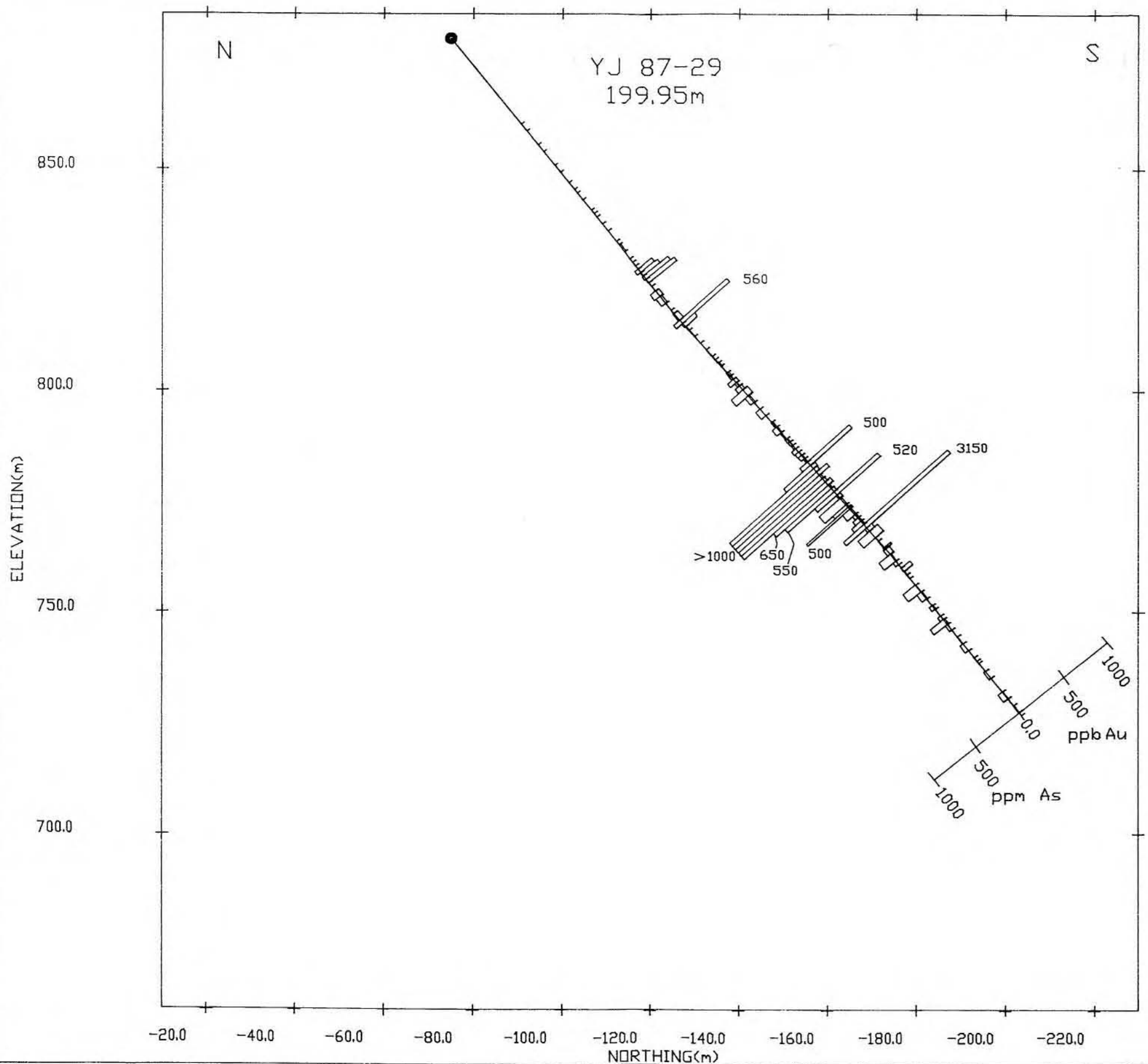
YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 14+50E  
DDH YJ 87-28  
'GOLD vs ANTIMONY'



SCALE 1:1000

DRAWN DM	DATE 09/87	FILE CODE 104N/12	FIGURE 9i.s
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YJ 87-29  
199.95m



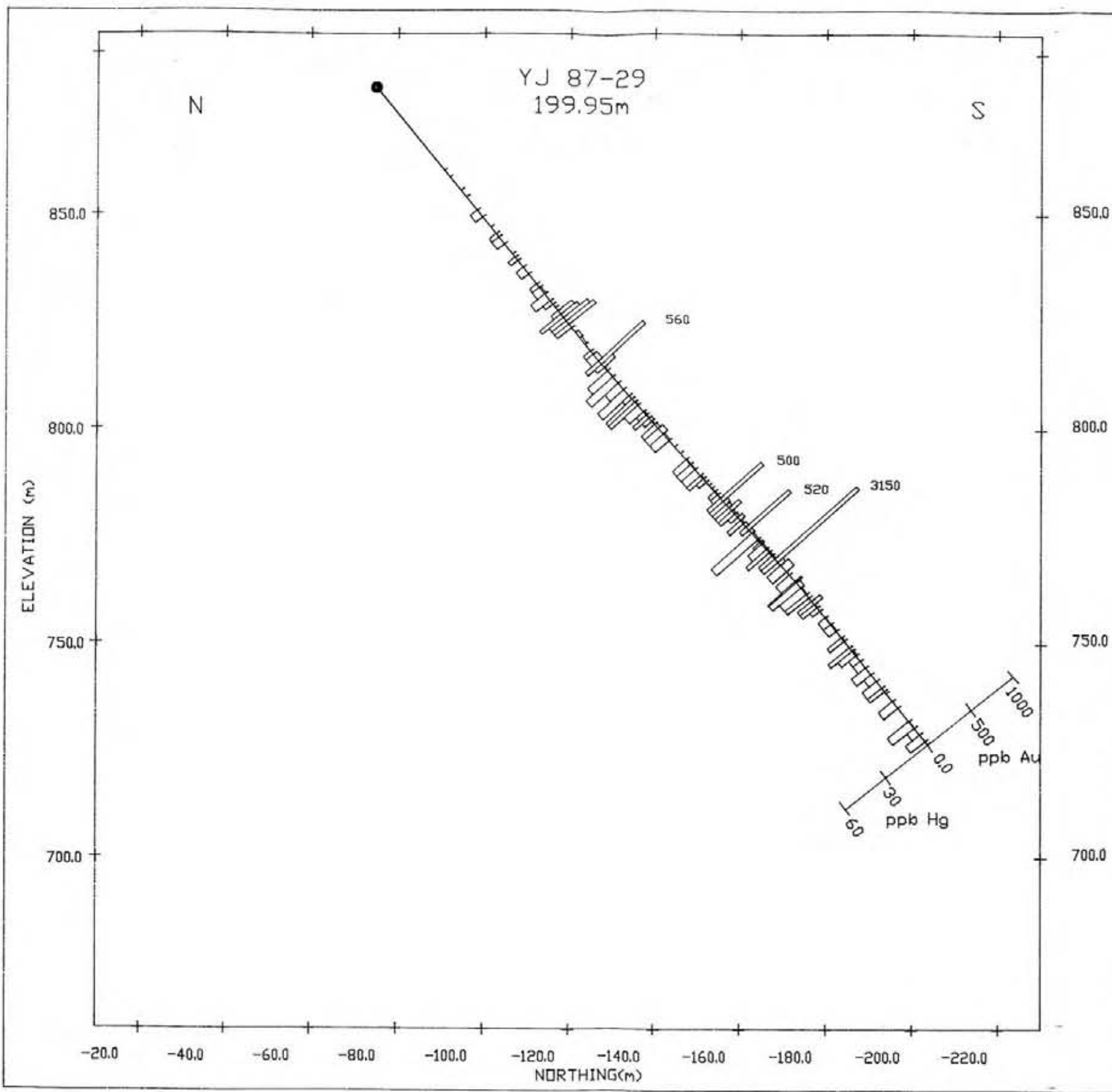
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ASSESSMENT REPORT**

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YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 13+80E  
DDH YJ 87- 29  
"GOLD vs ARSENIC"  
20.0 0 20.0 40.0  
SCALE 1:1000

DRAWN	DATE	FILE CODE	FIGURE
DM	09/87	104N/12	9j.a



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ASSESSMENT REPORT**

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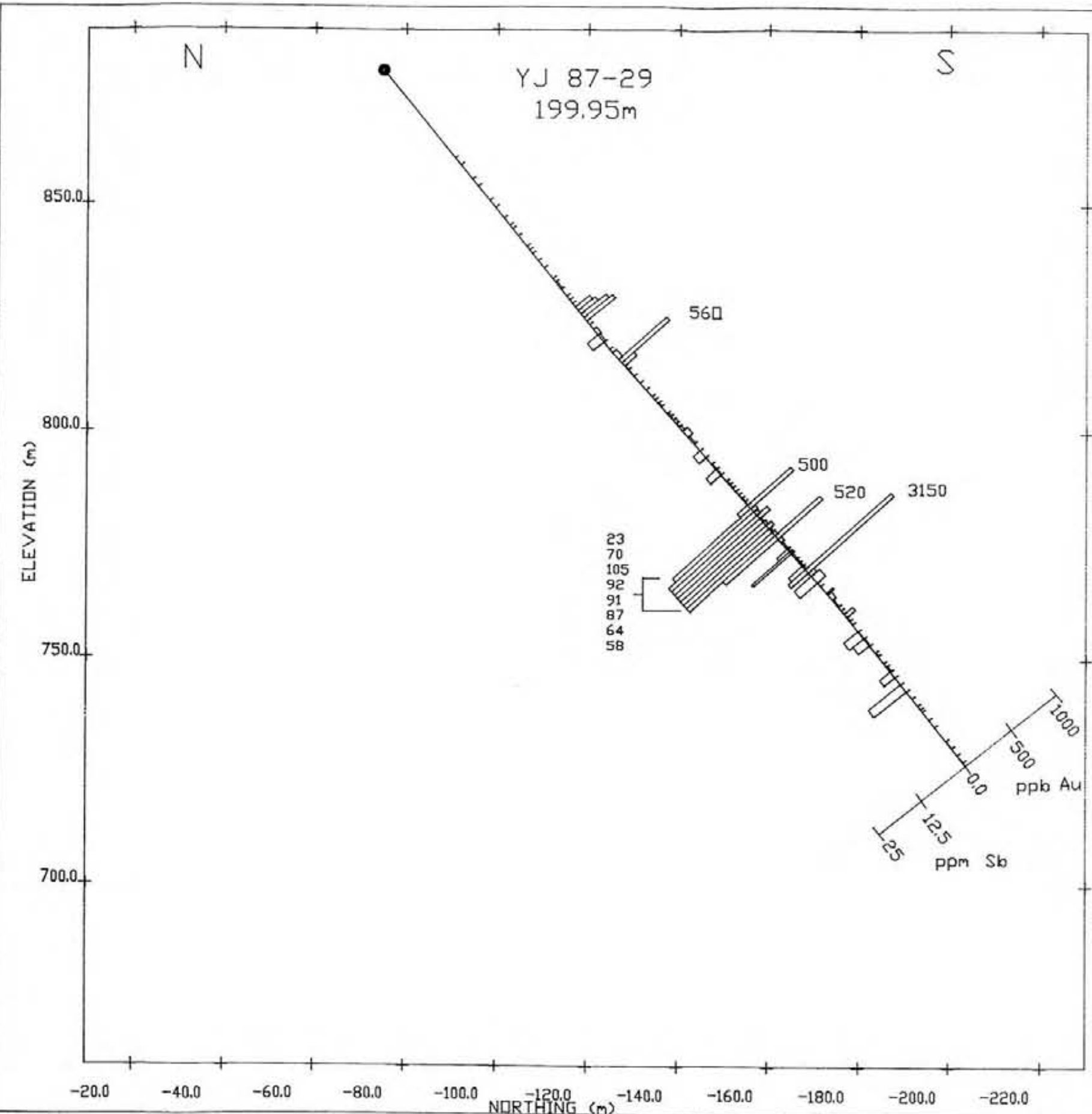
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MINERAL DEVELOPMENT CO.

YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 13+80E  
DDH YJ 87-29  
'GOLD vs MERCURY'



SCALE 1:1000

DRAWN DM	DATE 09/87	FILE CODE 104N/12	FIGURE 9j,h
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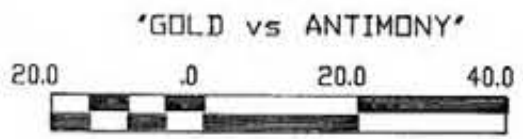


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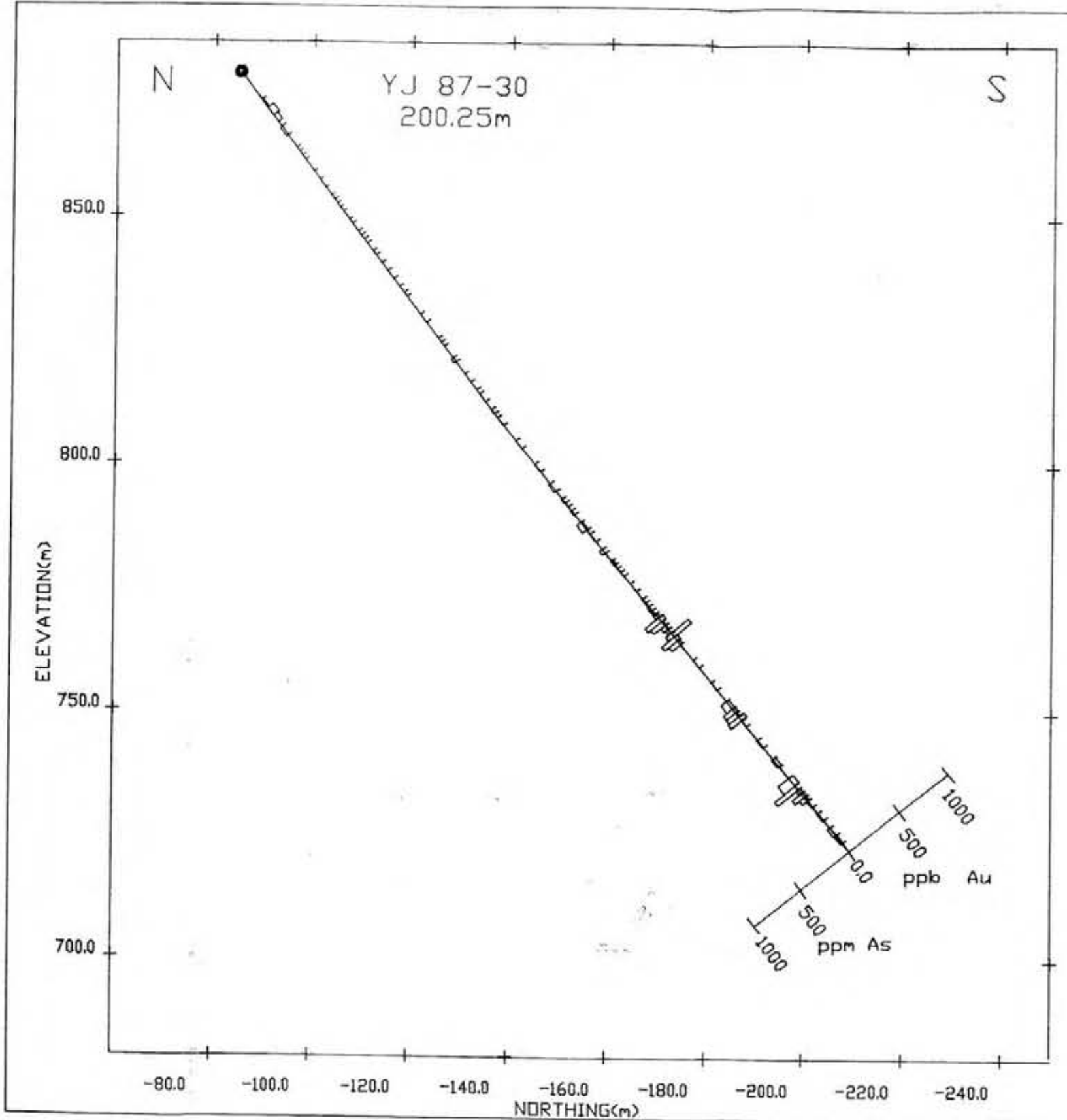
HOMESTAKE  
MINERAL DEVELOPMENT CO.

YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 13+80e  
DDH YJ 87-29



DRAWN	DATE	FILE CODE	FIGURE
DM	09/87	104N/12	9j.s





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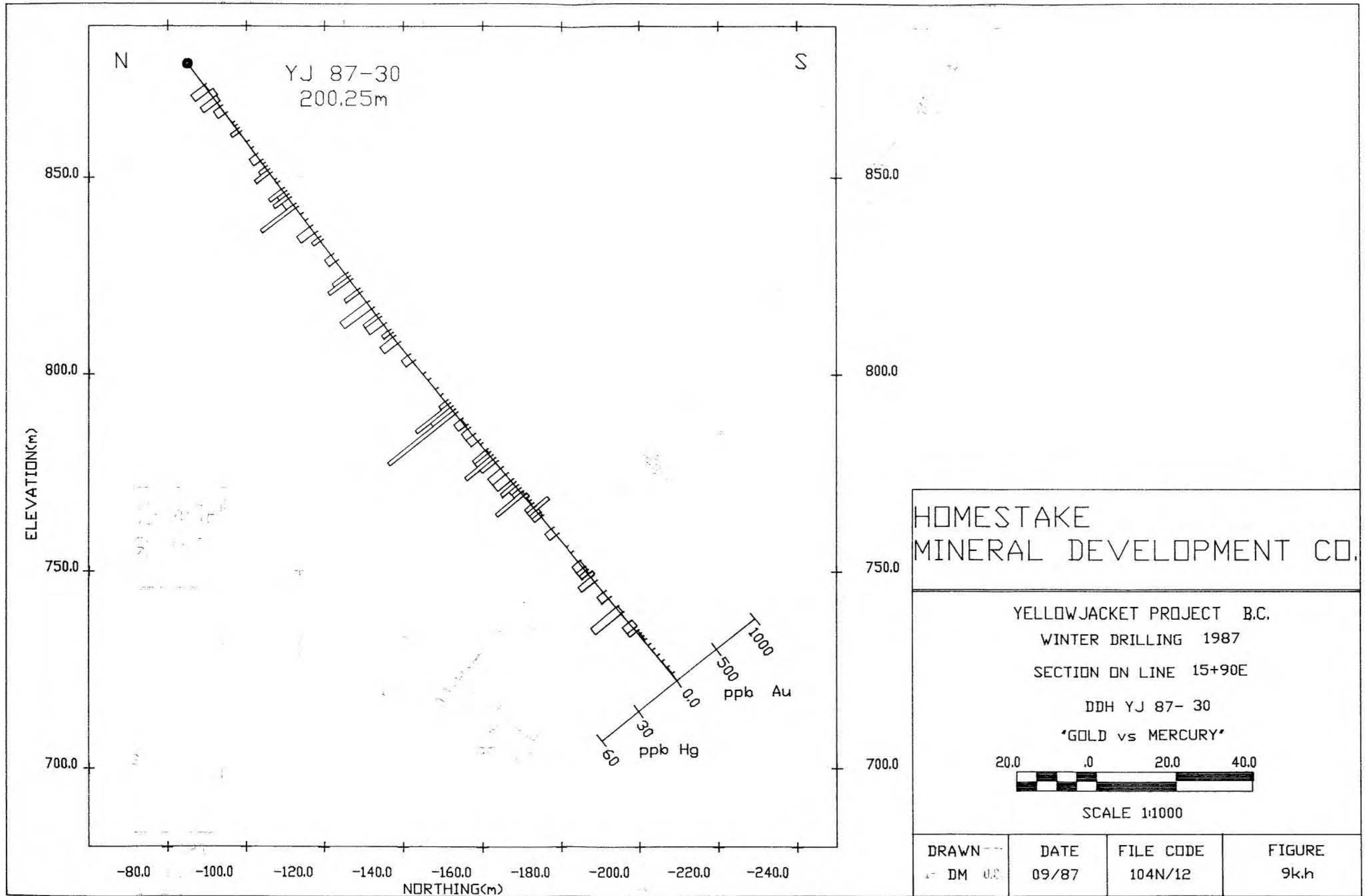
YELLOWJACKET PROJECT B.C.  
WINTER DRILLING 1987  
SECTION ON LINE 15+90E  
DDH YJ 87- 30  
'GOLD vs ARSENIC'

SCALE 1:1000

DRAWN DM	DATE 09/87	FILE CODE 104N/12	FIGURE 9k.a
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ASSESSMENT REPORT

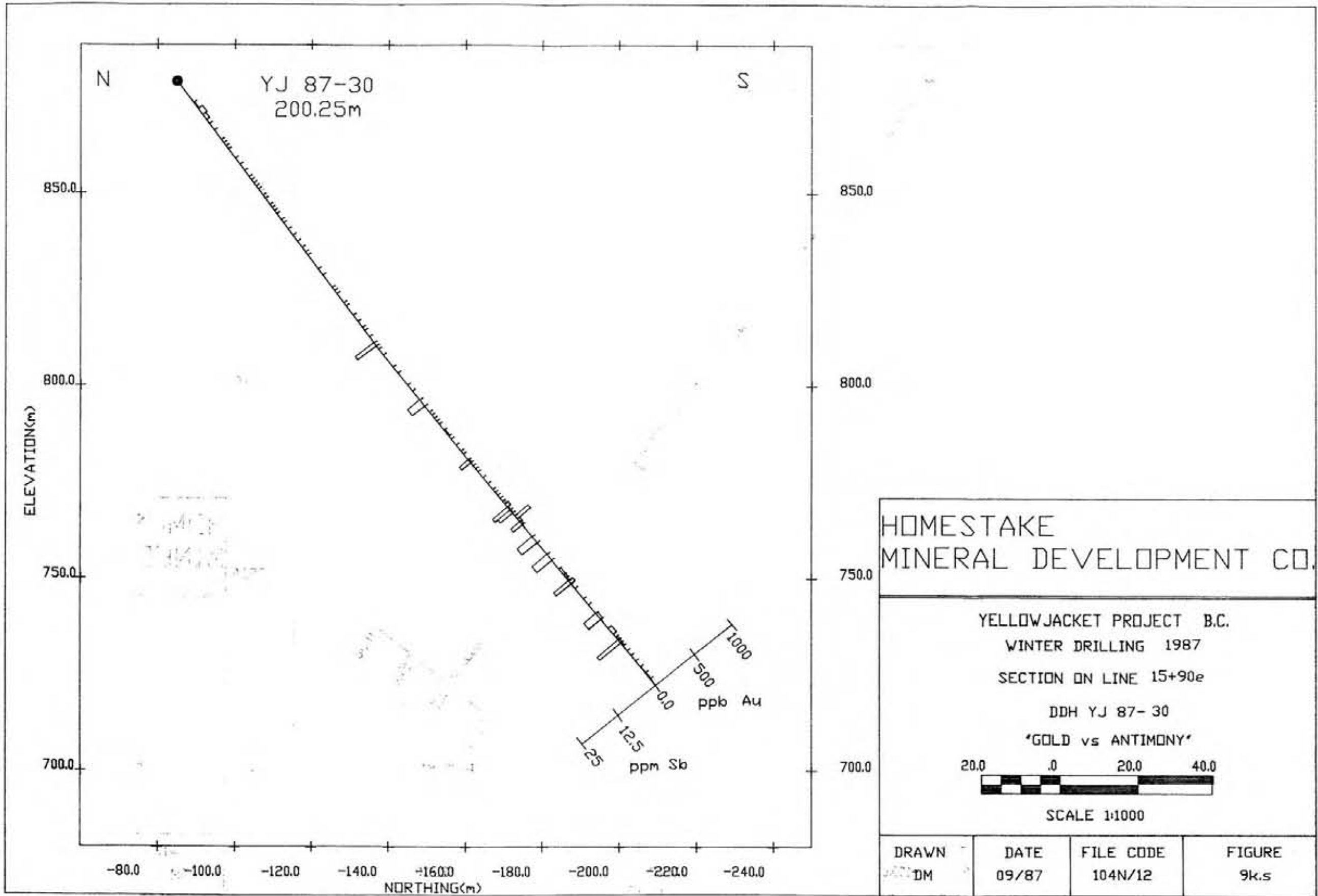
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Rev CG L184

11+00E  
BL 0+00

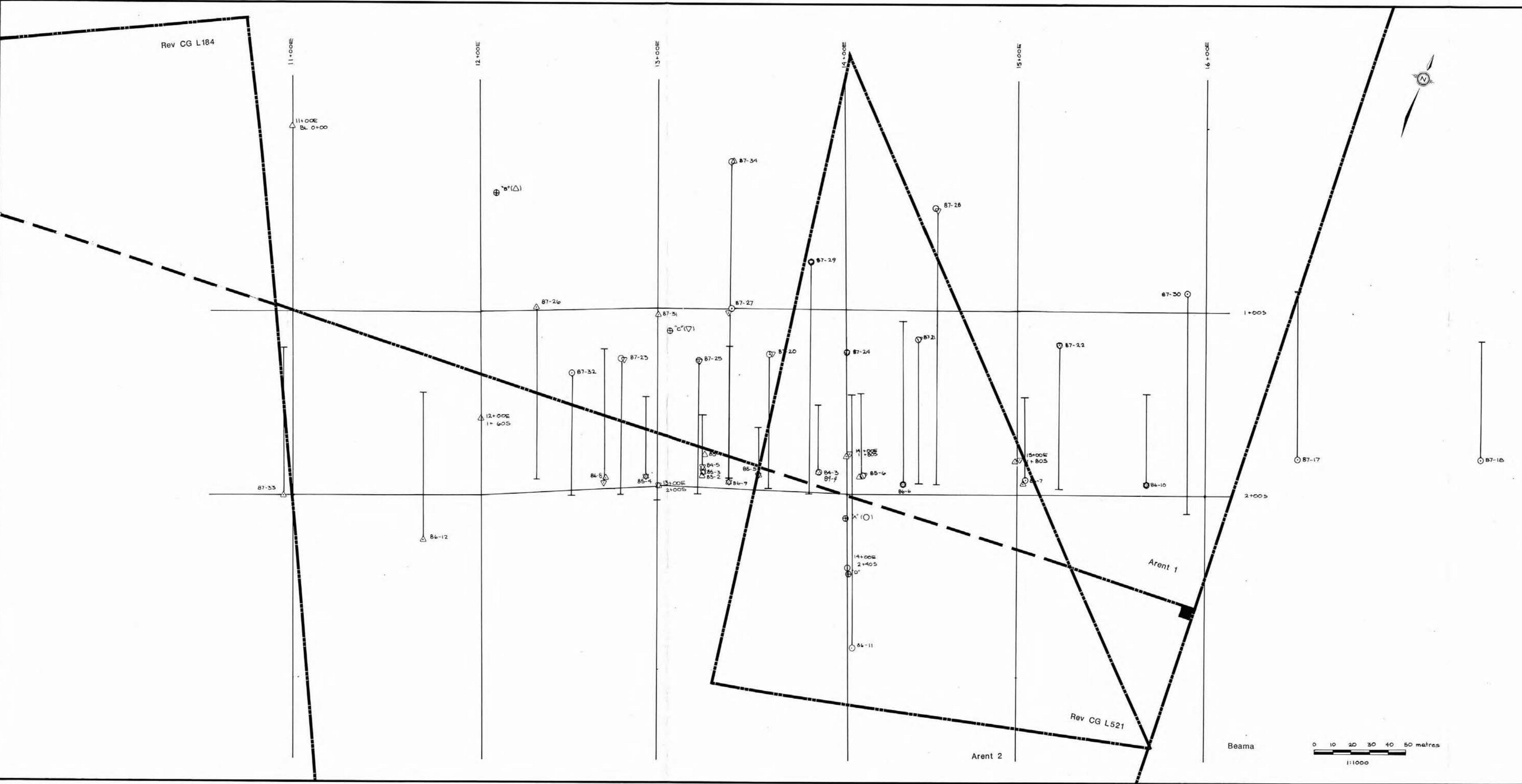
12+00E

13+00E

14+00E

15+00E

16+00E



- ⊕ SURVEY POINT
- SURVEY POINT FROM A
- △ SURVEY POINT FROM B
- ▽ SURVEY POINT FROM C

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HOMESTAKE MINERAL DEVELOPMENT COMPANY  
YELLOWJACKET PROPERTY  
BRITISH COLUMBIA  
**DIAMOND DRILL HOLE PLAN**

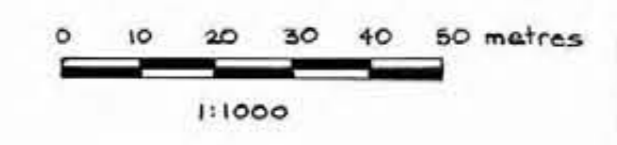
DRAWN MA	DATE 08/85	FILE CODE 104N/12	Map 4
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Rev CG L521

Arent 2

Arent 1

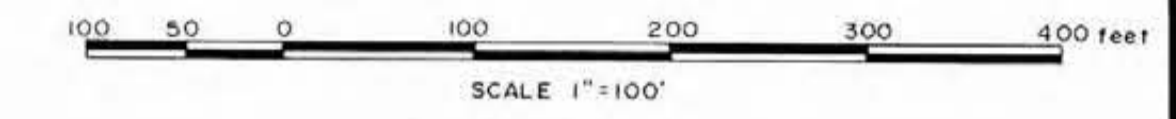
Beama



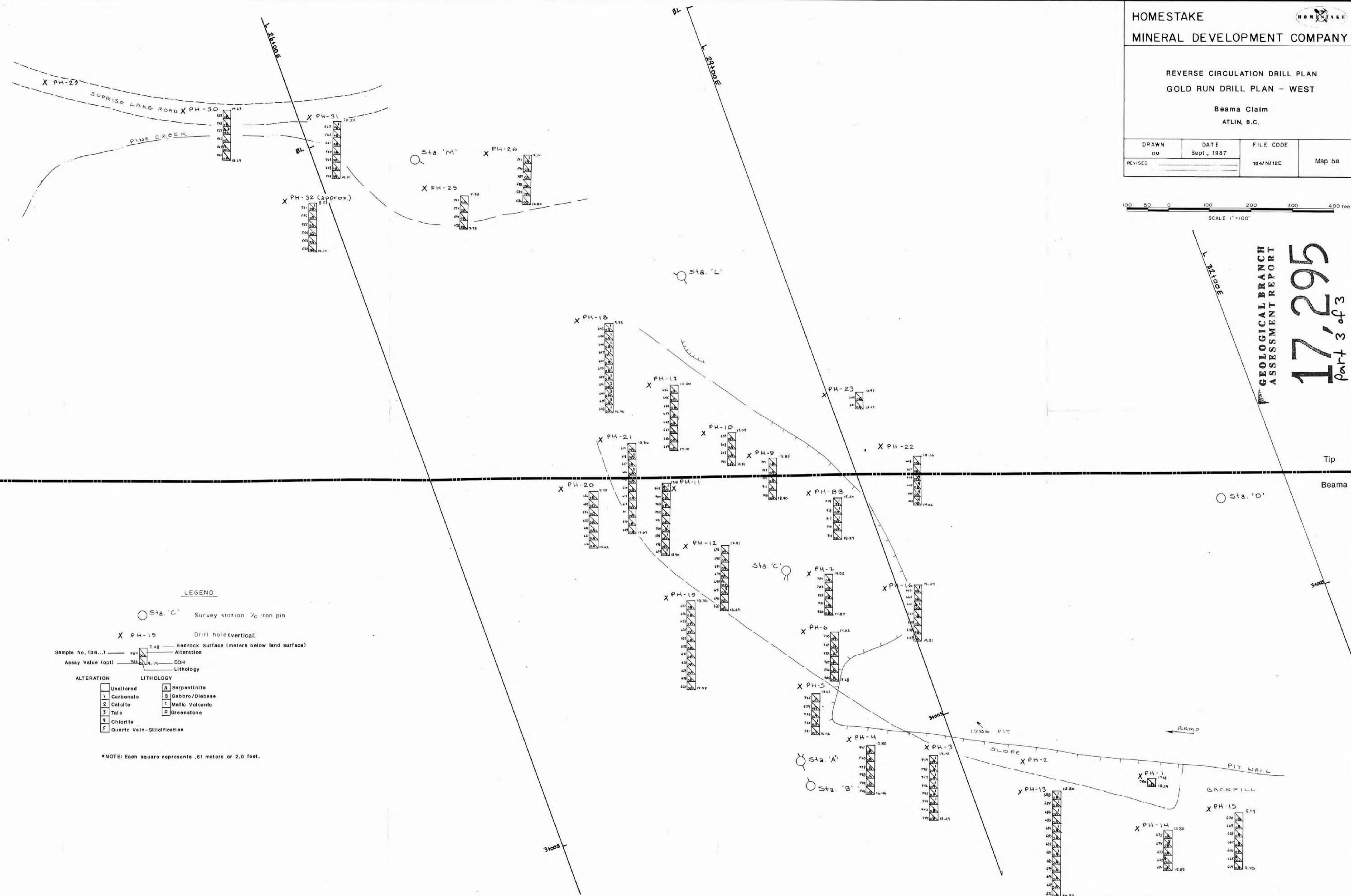
REVERSE CIRCULATION DRILL PLAN  
GOLD RUN DRILL PLAN - WEST

Beama Claim  
ATLIN, B.C.

DRAWN DM	DATE Sept., 1987	FILE CODE 1047N/12E	Map 5a
REVISED			



GEOLOGICAL BRANCH  
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LEGEND

- Sta. 'C' Survey station 1/4" iron pin
  - X PH-19 Drill hole (vertical):
    - 7.48 Bedrock Surface (meters below land surface)
    - Alteration
    - EOH
    - Lithology
- |                              |                    |
|------------------------------|--------------------|
| <b>ALTERATION</b>            | <b>LITHOLOGY</b>   |
| □ Unaltered                  | □ A Serpentine     |
| 1 Carbonate                  | □ B Gabbro/Diabase |
| 2 Calcite                    | □ C Mafic Volcanic |
| 3 Talc                       | □ D Greenstone     |
| 4 Chlorite                   |                    |
| 5 Quartz Vein-Silicification |                    |

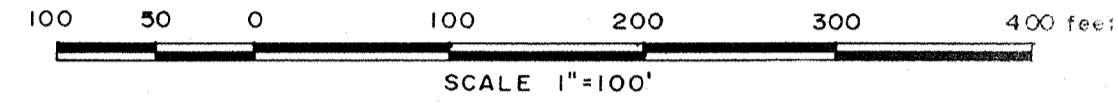
\*NOTE: Each square represents .61 meters or 2.0 feet.

Tip  
Beama

REVERSE CIRCULATION DRILL PLAN  
GOLD RUN DRILL PLAN - EAST

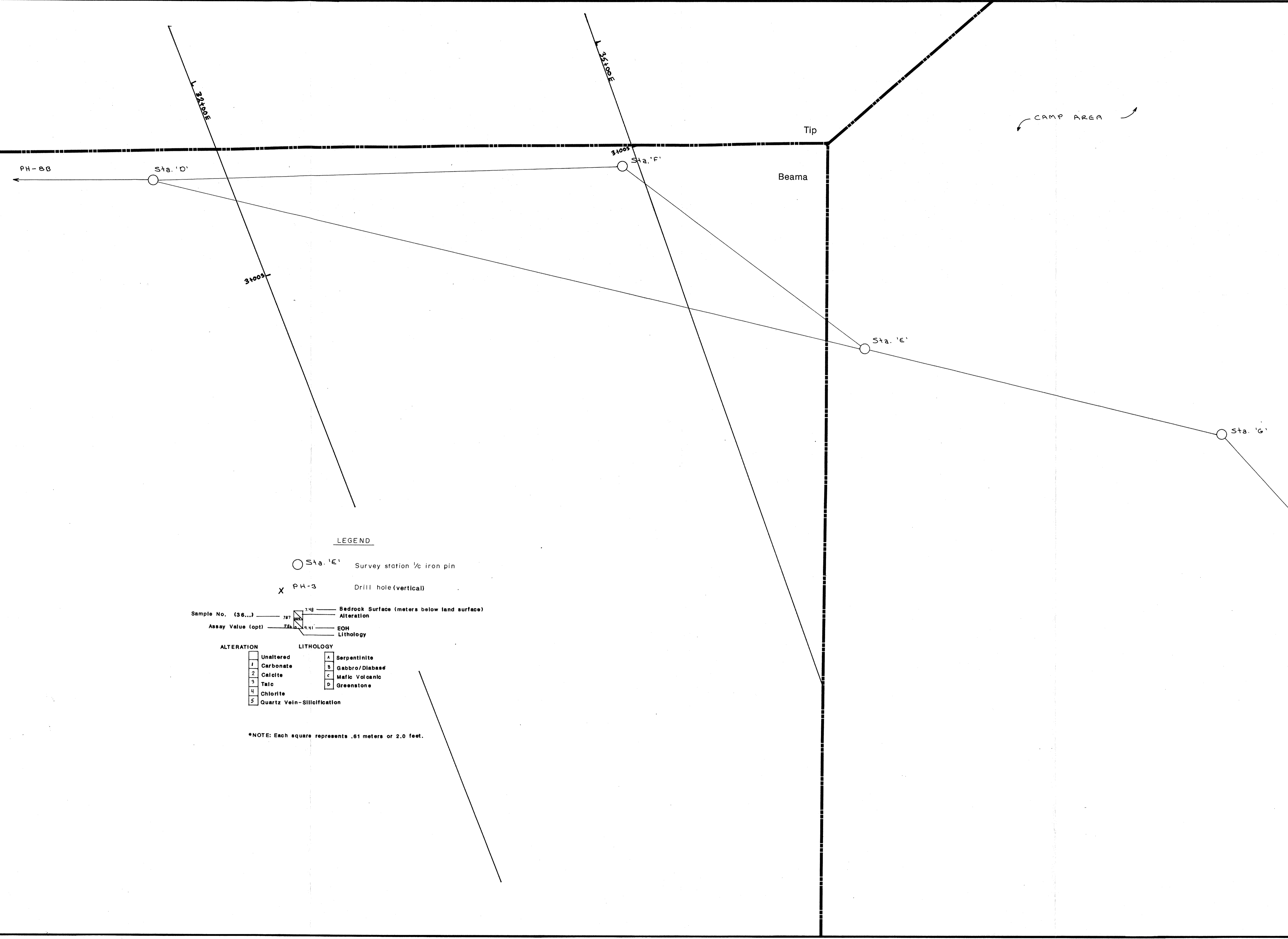
Beama Claim  
ATLIN, B.C.

DRAWN DM	DATE Sept., 1987	FILE CODE	Map 5b
REVISED		104/N/12E	



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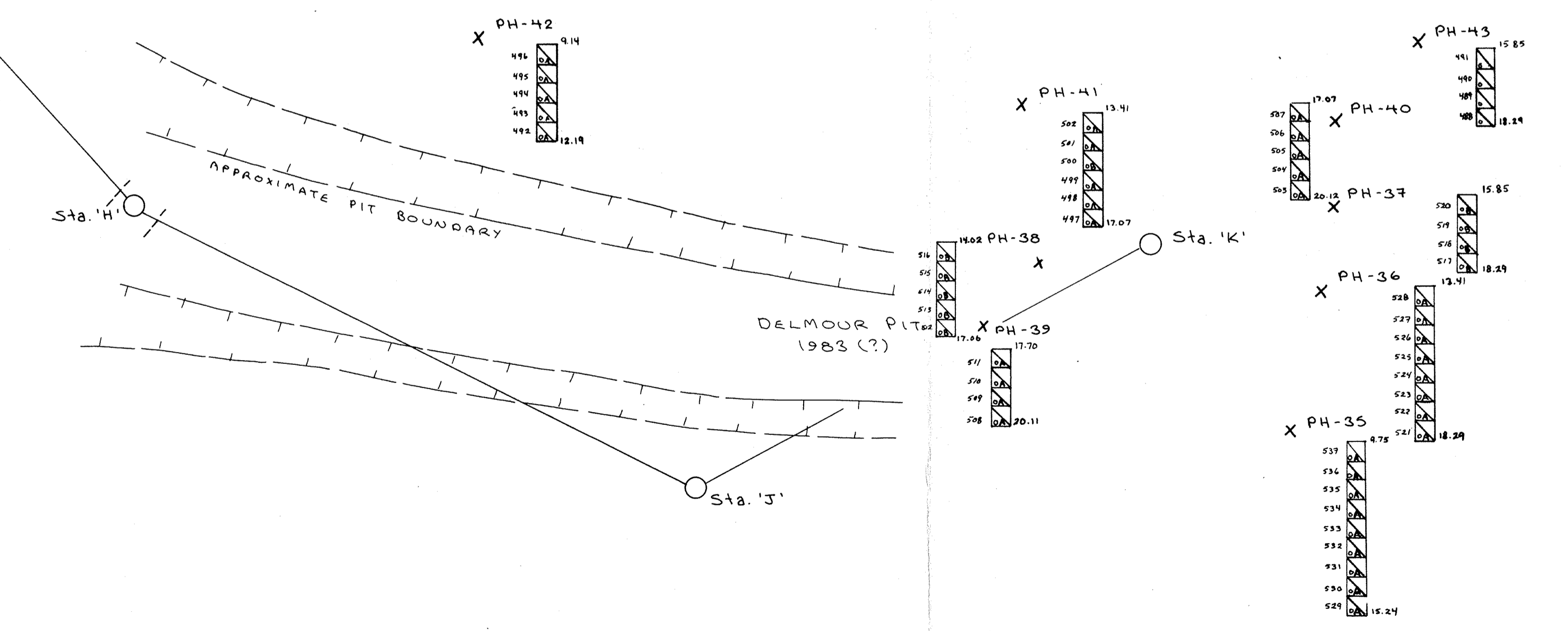
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LEGEND

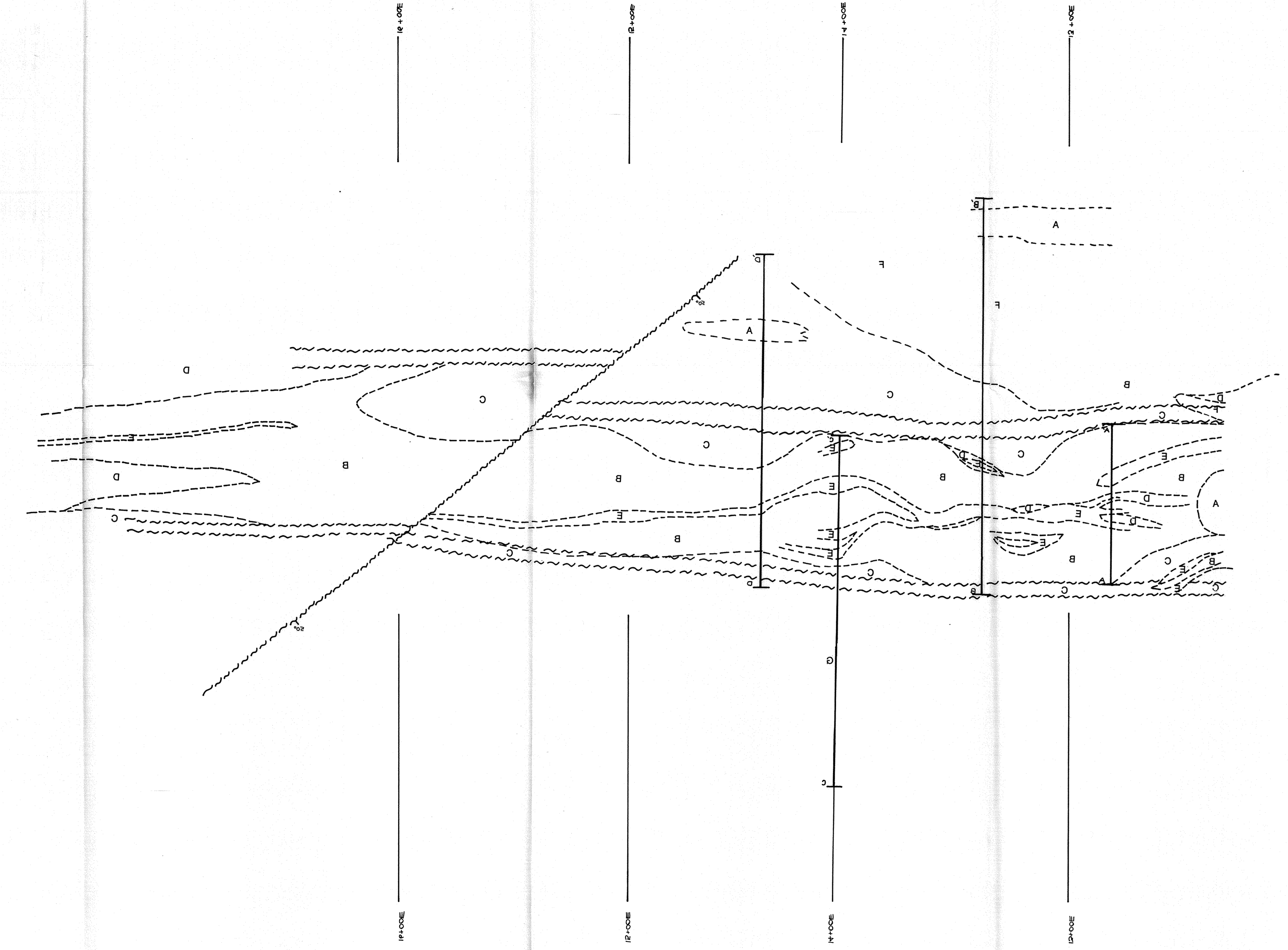
- Sta. 'E' Survey station 1/8 iron pin
  - X PH-3 Drill hole (vertical)
  - Sample No. (36...)
  - Assay Value (opt)
  - Bedrock Surface (meters below land surface)
  - Alteration
  - EDH
  - Lithology
- |                              |                  |
|------------------------------|------------------|
| <b>ALTERATION</b>            | <b>LITHOLOGY</b> |
| 1 Unaltered                  | 1 Serpentinite   |
| 2 Carbonate                  | 2 Gabbro/Diabase |
| 3 Calcite                    | 3 Mafic volcanic |
| 4 Talc                       | 4 Greenstone     |
| 5 Chlorite                   |                  |
| 6 Quartz Vein-Silicification |                  |

\*NOTE: Each square represents .61 meters or 2.0 feet.



YELLOWJACKET PROPERTY  
 ALTERATION  
 870 METER LEVEL  
 (BEDROCK SURFACE)

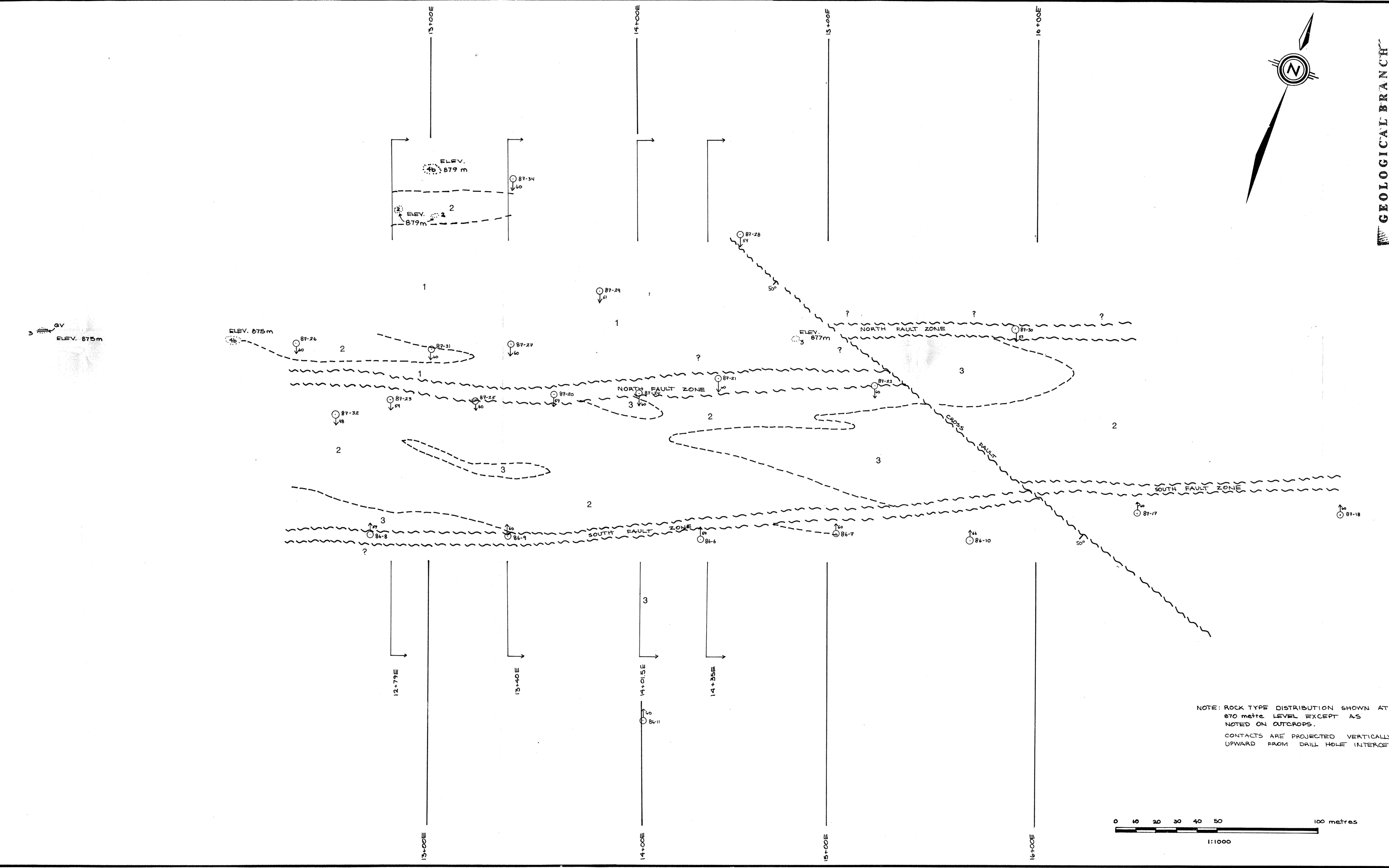
- LEGEND
- A MANGANESE
  - B CARBONATE & MANGANESE
  - C QUARTZ
  - D TALC
  - E TALC VEINS - SHINGLED
  - F CHLORITE
  - G SERPENTINE



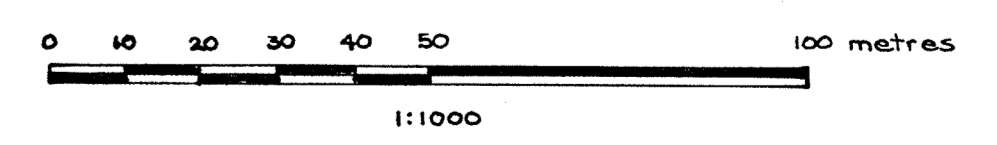
GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

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 Part 3 of 3

- LITHOLOGIC TYPES
- 1 BASALT
  - 2 ULTRAFIC SERPENTINITE
  - 3 MAFIC INTRUSIVE
  - 4 GABBRO
  - 5 GNEISS
  - 6 ANDESITE
  - 7A GRANODIORITE PORPHYRY
  - 7B FELDSPAR PORPHYRY



NOTE: ROCK TYPE DISTRIBUTION SHOWN AT  
 870 METER LEVEL EXCEPT AS  
 NOTED ON OUTCROPS.  
 CONTACTS ARE PROJECTED VERTICALLY  
 UPWARD FROM DRILL HOLE INTERCEPTS.

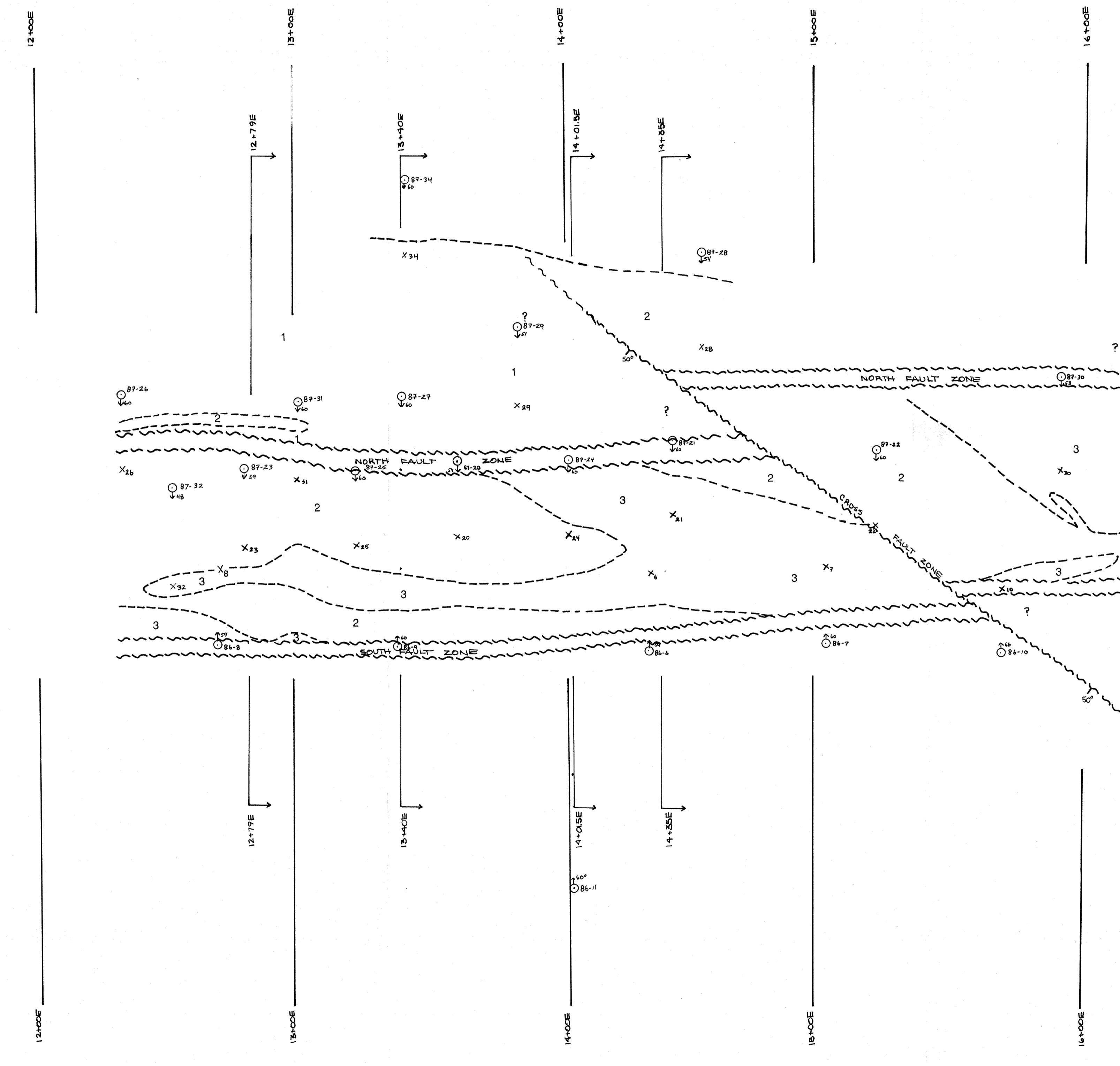
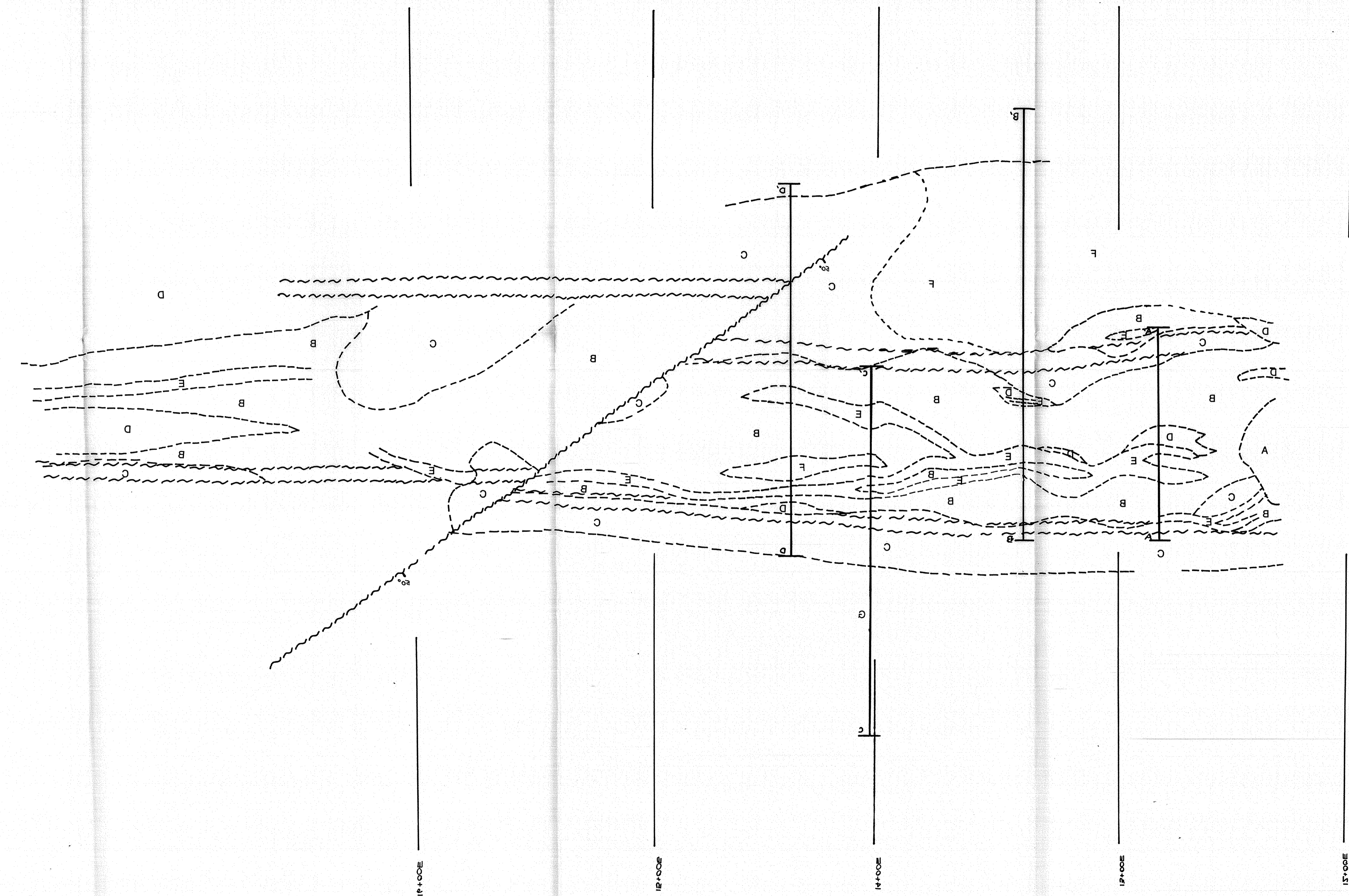


- Bl-11 Drilled Drill Hole with Assay and Dip
- VERGICAL SECTION PLANE
- 2 SERPENTINITE: UNITS 2 & 3
- 3 NON-SERPENTINITE: UNITS 1, 4, 5, 6, 7a and 7b
- 1 BASALTS: UNIT 1
- GEOLOGICAL CONTACT
- - - FAULT
- QV QUARTZ VEIN

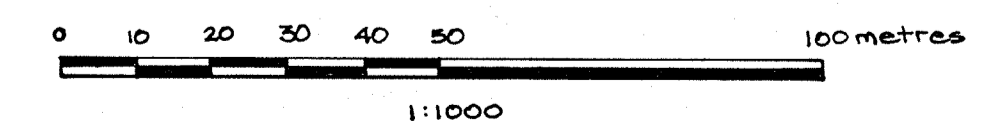
HOMESTAKE MINERAL DEVELOPMENT COMPANY YELLOWJACKET PROPERTY BRITISH COLUMBIA			
GEOLOGY 870 METER LEVEL (BEDROCK SURFACE)			
DRAWN MA	DATE 08/87	FILE CODE 104W/12	Map 7a

YELLOWJACKET PROPERTY  
ALERTATION  
850 METER LEVEL  
(50 METERS BELOW BEDROCK SURFACE)

- LEGEND
- A UNALTERED
  - B CARBONATE
  - C (SOPHONITE & MANGANESE) CARBONATE
  - D TALC
  - E OLIVINE-SPHERULE
  - F CHLORITE
  - G SERPENTINE
  - X VERTICAL SECTION PLANE



NOTE: ALL CONTACTS AT 820 METERS ELEVATION.  
ALL CONTACTS NOT INTERSECTED BY DRILL HOLE AT 820 METER LEVEL ARE PROJECTED VERTICALLY UPWARDS OR DOWNWARDS FROM NEAREST AVAILABLE DRILL HOLE DATA.



- LITHOLOGIC TYPES
- 1 BASALT
  - 2 ULTRAMAFIC-Serpentinized
  - 3 ULTRAMAFIC-Carbonated
  - 4 MAFIC INTRUSIVE
  - 5 DIABASE
  - 6 GABBRO
  - 7 GREENSTONE
  - 8 ANDESITE
  - 9a HORNBLENDS PORPHYRY
  - 9b FELDSPAR PORPHYRY

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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- X<sub>1</sub> Intersection of indicated drill hole at 820 meter elevation, projected vertically upwards.
- Drill Diamond Drill Hole with Azimuth, Dip at surface elev. (825m)
- ↳ Vertical Section Plane
- 2 SERPENTINITE: UNITS 2 and 3
- 3 NON-SERPENTINITES: UNITS 4, 5a, 6b, 8, 9a and 9b
- 1 BASALTS: UNIT 1
- GEOLOGICAL CONTACT
- ~ FAULT

HOMESTAKE  
MINERAL DEVELOPMENT COMPANY  
YELLOWJACKET PROJECT  
BRITISH COLUMBIA  
GEOLOGY  
820 METER LEVEL  
(50 METERS BELOW BEDROCK SURFACE)

DRAWN MA	DATE 09/87	FILE CODE 104N/12	Map 7b
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